Mapping table of symmetry-based indicators and topological invariants in magnetic space groups

February 5, 2021

For each MSG, we first list the bases of the null space of the mappings, and all the invariant sets with zero indicators can be generated by combining these bases. Then for each nonzero indicator set, we list one possible invariant set. Other possible invariant sets can be generated by adding invariant sets with zero indicators.

		$2.4 P\overline{1}$	Classification	$n = \mathbb{Z}^3 \times \mathbb{Z}_2$	$X_{\mathrm{BS}} = \mathbb{Z}_{2,2,2,4}$	$SI = z_{2P}$	$1, z_{2P,2}, z_{2P,3}, z_4$	P
$\mathbb{Z}_{2,2,2,4}$	weak	i				,	, ,	
0000	$(\overline{2}00)$	0						
0000	(020)	0						
0000	(002)	0						
0000	(000)	0						
0002	(000)	1						
0010	(001)	0						
0012	(001)	1						
0100	(010)	0						
0102	(010)	1						
0110	(011)	0						
0112	(011)	1						
1000	$(\bar{1}00)$	0						
1002	$(\bar{1}00)$	1						
1010	$(\bar{1}01)$	0						
1012	$(\overline{1}01)$	1						
1100	$(\overline{1}10)$	0						
1102	$(\overline{1}10)$	1						
1110	$(\overline{1}11)$	0						
1112	$(\overline{1}11)$	1						
			$2.7 P_S \overline{1}$	Classification	$on = \mathbb{Z}_2 X_{BS} :$	$=\mathbb{Z}_2$ SI $=$	z_{2P}'	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	i					
0	(000)	0	0					
1	(000)	1	1					
			3.1 P2	Classification	$on = \mathbb{Z}$ $X_{BS} =$	\mathbb{Z}_2 $SI = z$	c_{2C}	
\mathbb{Z}_2	weak	2^{010}						
0	(020)	0						
1	(010)	0						
			3.4 $P_a 2$	Classification	$\mathrm{on}=\mathbb{Z}_2$ $\mathrm{X}_{\mathrm{BS}}=$	$=\mathbb{Z}_2$ SI $=$	z_{2C}	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}00\}*$	2^{010}					
0	(000)	1	0					
		10.42 P2/	m Classifie	cation = \mathbb{Z}_M^2	$\times \mathbb{Z}$ $X_{BS} = \mathbb{Z}$	$_{2,2,2}$ $SI = 2$	$z_{2m,0}^+, z_{2m,0}^-, z_{2m}^+$	$.\pi$
$\mathbb{Z}_{2,2,2}$	weak	2^{010}	i	$Cm_{(2)}^{010}$, ,		,
000	$(0\overline{2}0)$	0	0	$2\overline{402}$				
000	(020)	0	0	0202				
000	(000)	0	0	$002\overline{2}$				
000	(000)	0	0	$00\overline{2}2$				<u> </u>

	(000)			0044	
001	(000)	0	1	$001\overline{1}$	
010	(010)	0	1	0101	
011	(010)	0	0	0110	
100	$(0\overline{1}0)$	0	0	$1\overline{2}0\overline{1}$	
101	$(0\overline{1}0)$	0	1	$1\overline{2}1\overline{2}$	
110	(000)	0	1	$1\overline{1}00$	
111	(000)	0	0	$\frac{1\overline{1}0\overline{0}}{1\overline{1}1\overline{1}}$	
	/				
·		.46 P2'/m'	Classific	cation = \mathbb{Z}^2	$\mathbb{Z}^2 \times \mathbb{Z}_2 X_{BS} = \mathbb{Z}_{2,2,2,4} SI = z_{2P,1}, z_{2P,2}, z_{2P,3}, z_{4P}$
$\mathbb{Z}_{2,2,2,4}$	weak	$2^{010}*$	i		
0000	(200)	0	0		
0000	$(00\bar{2})$	0	0		
0000	(000)	0	0		
0002	(000)	1	1		
0010	$(00\overline{1})$	0	0		
0012	$(00\overline{1})$	1	1		
1000	(100)	0	0		
1002	(100)	1	1		
$\frac{1002}{1010}$	(100) (101)				
	/	0	0		
1012	$(10\overline{1})$	1	1		
		10.47	$P_a 2/m$	Classificati	ation = \mathbb{Z}_M^2 $X_{BS} = \mathbb{Z}_{2,2}$ $SI = z_{2m,0}^+, z_{2m,\pi}^+$
$\overline{\mathbb{Z}_{2,2}}$	weak	$\{1 \frac{1}{2}00\}*$	2^{010}	i	$Cm_{(2)}^{010}$
00	(000)	0	0	0	$\frac{1}{2\overline{200}}$
00	(000)	0	0	0	$002\overline{2}$
00	(000)	0	0	0	$00\overline{2}2$
01	(000)	1	0	1	0011
10	(000)	1	0	1	$\frac{1100}{1}$
11	(000)	0	0	0	1111
	(000)				
			$.48 P_b 2/$		sification = \mathbb{Z}_M $X_{BS} = \mathbb{Z}_2$ $SI = z_{2m,0}^+$
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}0\}*$	2^{010}	i	$Cm_{(2)}^{010}$
0	(000)	0	0	0	$2\overline{2}00$
0	(000)	0	0	0	$2\overline{2}00$
1	(000)	1	0	1	$1\overline{1}00$
			$49 P_{C}2/$	m Classif	sification = \mathbb{Z}_M $X_{BS} = \mathbb{Z}_2$ $SI = z_{2m,0}^+$
		10.			-M $-BS$ $-Z$ $-Zm,0$
7.0	weak	$10.$ $\{1 \frac{1}{2},\frac{1}{2},0\}*$	$\frac{40^{\circ} 10^{\circ} 2/}{2010}$		Cm^{010}
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	2^{010}	i	$Cm_{(2)}^{010}$
0	(000)	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{2^{010}}{0}$	$\frac{i}{0}$	$2\overline{2}00$
0	(000)	$ \begin{cases} 1 \frac{1}{2} \frac{1}{2} 0 \} * \\ 0 \\ 0 $	$ \begin{array}{c} 2^{010} \\ 0 \\ 0 \end{array} $	i	$\frac{2\bar{2}00}{2\bar{2}00}$
0	(000)	$ \begin{cases} 1 \frac{1}{2} \frac{1}{2} 0 \} * \\ 0 \\ 0 1 $	2 ⁰¹⁰ 0 0 0	<i>i</i> 0 0 1	$ \begin{array}{r} 2\overline{200} \\ 2\overline{200} \\ 1\overline{100} \end{array} $
0 0 1	(000) (000) (000)	$ \begin{cases} 1 \frac{1}{2} \frac{1}{2} 0 \} * \\ 0 \\ 0 \\ 1 \end{bmatrix} $ $ 11.5 $	$ \begin{array}{c} 2^{010} \\ 0 \\ 0 \\ 0 \end{array} $ $ 0 P2_1/n$	$ \begin{array}{c} i \\ 0 \\ 0 \\ 1 \end{array} $	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\text{ffication} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z_{2P}'$
0	(000)	$ \begin{cases} 1 \frac{1}{2} \frac{1}{2} 0 \} * \\ 0 \\ 0 1 $	2 ⁰¹⁰ 0 0 0	<i>i</i> 0 0 1	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\text{ffication} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z_{2P}'$
0 0 1	(000) (000) (000)	$ \begin{cases} 1 \frac{1}{2} \frac{1}{2} 0 \} * \\ 0 \\ 0 \\ 1 \end{bmatrix} $ $ 11.5 $	$ \begin{array}{c} 2^{010} \\ 0 \\ 0 \\ 0 \end{array} $ $ 0 P2_1/n$	$ \begin{array}{c} i \\ 0 \\ 0 \\ 1 \end{array} $	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\text{ffication} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z_{2P}'$
$ \begin{array}{c c} 0 \\ 0 \\ 1 \\ \hline \mathbb{Z}_2 \end{array} $	(000) (000) (000) weak	$ \begin{cases} 1 \frac{1}{2} \frac{1}{2} 0 \} * \\ 0 \\ 0 \\ 1 \end{cases} $ $ 11.5 $ $ 2_{0\frac{1}{2}0}^{010} $	$ \begin{array}{c} 2^{010} \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ P2_1/m \\ i \end{array} $	$ \begin{array}{c} i \\ 0 \\ 0 \\ \hline 1 \\ Classific \\ Cm_{(2)}^{010} \end{array} $	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\text{ffication} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z_{2P}'$
$ \begin{array}{c c} 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ \end{array} $	(000) (000) (000) weak (000)	$ \begin{cases} 1 \frac{1}{2} \frac{1}{2} 0 \} * \\ 0 \\ 0 \\ 1 \\ 11.5 \\ 2 \frac{010}{0 \frac{1}{2} 0} \\ 0 \end{cases} $	$ \begin{array}{c} 2^{010} \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ P2_1/n \\ i \\ 0 \end{array} $	$i \\ 0 \\ 0 \\ 1 \\ m Classific \\ Cm^{010}_{(2)} \\ 2\overline{2}00$	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\text{ffication} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z_{2P}'$
$ \begin{array}{c c} 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ \end{array} $	(000) (000) (000) (000) weak (000) (020)	$ \begin{cases} 1 \frac{1}{2} \frac{1}{2} 0 \} * \\ 0 \\ 0 \\ 1 \end{cases} $ $ 11.5 $ $ 2_{0\frac{1}{2}0}^{010} \\ 0 \\ 1 $	$ \begin{array}{c} 2^{010} \\ 0 \\ 0 \\ 0 \end{array} $ $ \begin{array}{c} 0 \\ P2_1/n \\ i \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} i \\ 0 \\ 0 \\ \hline 1 \\ \hline Classific \\ \hline Cm^{010}_{(2)} \\ \hline 2\overline{2}00 \\ 2011 \end{array} $	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\text{ffication} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z_{2P}'$
$ \begin{array}{c c} 0 \\ 0 \\ 1 \\ \hline & \\ & \\ 0 \\ 0 \\ 0 \end{array} $	(000) (000) (000) (000) weak (000) (020) (000)	$ \begin{cases} 1 \frac{1}{2} \frac{1}{2} 0 \} * \\ 0 \\ 0 \\ 1 \end{cases} $ $ 11.5 $ $ 2_{0\frac{1}{2}0}^{010} \\ 0 \\ 1 \\ 0 $	$ \begin{array}{c} 2^{010} \\ 0 \\ 0 \\ 0 \end{array} $ $ \begin{array}{c} 0 \\ P2_1/n \\ i \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} $	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\overline{\text{dication}} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z'_{2P}$
$ \begin{array}{c c} 0 \\ 0 \\ 1 \\ \hline & \\ & \\ & \\ & \\ & \\ & \\ & \\ $	(000) (000) (000) (000) weak (000) (020) (000)	$ \begin{cases} 1 \frac{1}{2} \frac{1}{2} 0 \} * \\ 0 \\ 0 \\ 1 \end{cases} $ $ 11.5 $ $ 2_{0\frac{1}{2}0}^{010} \\ 0 \\ 1 \\ 0 \\ 11.54 P2'_{1} $	$ \begin{array}{c c} 2^{010} \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ P2_1/n \\ i \\ 0 \\ 0 \\ 0 \\ 1 \\ \hline /m' Class$	$ \begin{array}{c} $	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\text{ffication} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z_{2P}'$
$ \begin{array}{c c} 0 \\ 0 \\ 1 \\ \hline \mathbb{Z}_2 \\ 0 \\ 0 \\ 0 \\ 1 \\ \hline \mathbb{Z}_{2,2,4} \end{array} $	(000) (000) (000) (000) weak (000) (020) (000) (000)	$\{1 \frac{1}{2}\frac{1}{2}0\}*$ 0 0 1 11.5 $2_{0\frac{1}{2}0}^{010}$ 0 1 0 $11.54 P2'_{1}$ $2_{0\frac{1}{2}0}^{010}*$	$ \begin{array}{c} 2^{010} \\ 0 \\ 0 \\ 0 \end{array} $ $ \begin{array}{c} 0 \\ P2_1/n \\ i \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ /m' \text{ Class} \\ i \end{array} $	$ \begin{array}{c} $	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\overline{\text{dication}} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z'_{2P}$
$ \begin{array}{c c} 0 \\ 0 \\ 1 \\ \hline \mathbb{Z}_2 \\ 0 \\ 0 \\ 0 \\ 1 \\ \hline \mathbb{Z}_{2,2,4} \\ 000 \end{array} $	(000) (000) (000) (000) weak (000) (020) (000) weak (\overline{2}00)	$ \begin{array}{c} \{1 \frac{1}{2}\frac{1}{2}0\}*\\ 0\\ 0\\ 1\\ \hline \\ 11.5\\ 2^{010}_{0\frac{1}{2}0}\\ 0\\ 1\\ 0\\ \hline \\ 0\\ \hline \\ 1.54 P2'_{1}\\ 2^{010}_{0\frac{1}{2}0}*\\ 0\\ \end{array} $	$ \begin{array}{c} 2^{010} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ \hline /m' Class $	$ \begin{array}{c} $	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\overline{\text{dication}} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z'_{2P}$
$ \begin{array}{c c} 0 \\ 0 \\ 1 \\ \hline \mathbb{Z}_2 \\ 0 \\ 0 \\ 0 \\ 1 \\ \hline \mathbb{Z}_{2,2,4} \\ 000 \\ 000 \end{array} $		$ \begin{array}{c} \{1 \frac{1}{2}\frac{1}{2}0\}*\\ 0\\ 0\\ 1\\ \hline \\ 11.5\\ 2^{010}_{0\frac{1}{2}0}\\ 0\\ \hline \\ 1\\ 0\\ 0\\ \hline \\ 11.54 P2'_1\\ 2^{010}_{0\frac{1}{2}0}*\\ 0\\ 0\\ \end{array} $	$ \begin{array}{c} 2^{010} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ \hline /m' Class \\ i \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} $	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\overline{\text{dication}} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z'_{2P}$
$ \begin{array}{c c} 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_{2,2,4}\\ 000\\ 000\\ 000\\ 000 \end{array} $	(000) (000) (000) (000) (000) (020) (000) (000) weak (200) (002) (000)	$ \begin{array}{c} \{1 \frac{1}{2}\frac{1}{2}0\}*\\ 0\\ 0\\ 1\\ \hline \\ 11.5\\ 2^{010}_{0\frac{1}{2}0}\\ 0\\ 1\\ 0\\ 0\\ \hline \\ 11.54 P2'_1\\ 2^{010}_{0\frac{1}{2}0}*\\ 0\\ 0\\ 0\\ \end{array} $	$ \begin{array}{c c} 2^{010} \\ 0 \\ 0 \\ 0 \end{array} $ $ \begin{array}{c c} 0 & P2_1/n \\ \hline 0 \\ 0 \\ \hline 1 \\ \hline /m' & Class \\ \hline 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} $	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\overline{\text{dication}} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z'_{2P}$
$ \begin{array}{c c} 0\\ 0\\ 1\\ \hline & \\ & \\ & \\ & \\ & \\ & \\ & \\ $	(000) (000) (000) (000) weak (000) (020) (000) (000) weak (200) (002) (000) (000)	$ \begin{cases} 1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 1 \end{cases} $ $ 11.5 $ $ 2_{0\frac{1}{2}0}^{010} \\ 0 \\ 1 $ $ 0 $ $ 11.54 P2'_{1} $ $ 2_{0\frac{1}{2}0}^{010}* \\ 0 \\ 0 $ $ 0 $ $ 1 $	$ \begin{array}{c c} 2^{010} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} $	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\overline{\text{dication}} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z'_{2P}$
$ \begin{array}{c c} 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_{2,2,4}\\ 000\\ 000\\ 000\\ 000\\ 002\\ 010\\ \end{array} $	$ \begin{array}{c} (000) \\ (000) \\ (000) \\ (000) \\ \hline \end{array} $ weak $ \begin{array}{c} (000) \\ (020) \\ (000) \\ \hline \end{array} $ weak $ \begin{array}{c} (\overline{2}00) \\ (000) \\ (000) \\ \hline \end{array} $ $ \begin{array}{c} (000) \\ (000) \\ \hline \end{array} $	$ \begin{cases} 1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 1 \\ \hline 11.5 \\ 2_{0\frac{1}{2}0}^{010} \\ 0 \\ \hline 1 \\ 0 \\ 0 \\ \hline 11.54 P2_{1}' \\ 2_{0\frac{1}{2}0}^{010}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ \end{bmatrix} $	$ \begin{array}{c c} 2^{010} \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ P2_1/n \\ \hline 0 \\ 0 \\ \hline 0 \\ 1 \\ \hline 0 \\ 0 \\ 0 \\ 1 \\ 0 \end{array} $	$ \begin{array}{c} $	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\overline{\text{dication}} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z'_{2P}$
$ \begin{array}{c c} 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_{2,2,4}\\ 000\\ 000\\ 000\\ 000\\ 010\\ 012\\ \end{array} $	$ \begin{array}{c} (000) \\ (000) \\ (000) \\ \hline \end{array} $ weak $ \begin{array}{c} (000) \\ (020) \\ (000) \\ \hline \end{array} $ weak $ \begin{array}{c} (\overline{2}00) \\ (000) \\ \hline \end{array} $ $ \begin{array}{c} (000) \\ (000) \\ \hline \end{array} $ $ \begin{array}{c} (000) \\ (000) \\ \hline \end{array} $ $ \begin{array}{c} (000) \\ (001) \\ \hline \end{array} $	$ \begin{cases} 1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 1 \\ 1 \\ 11.5 \\ 2_{0\frac{1}{2}0}^{010} \\ 0 \\ 1 \\ 0 \\ 0 \\ 11.54 P2_{1}' \\ 2_{0\frac{1}{2}0}^{010}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 1 \\ 0 \\ 1 \\ 1$	$ \begin{array}{c c} 2^{010} \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 1 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} $	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\overline{\text{dication}} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z'_{2P}$
$ \begin{array}{c c} 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_{2,2,4}\\ 000\\ 000\\ 000\\ 000\\ 000\\ 010\\ 012\\ 100\\ \end{array} $	$ \begin{array}{c} (000) \\ (000) \\ (000) \\ \hline \end{array} $ weak $ \begin{array}{c} (000) \\ (020) \\ (000) \\ \hline \end{array} $ weak $ \begin{array}{c} (\overline{2}00) \\ (00\overline{2}) \\ (000) \\ \hline \end{array} $ $ \begin{array}{c} (00\overline{1}) \\ (0\overline{1}) \\ (\overline{1}00) \\ \end{array} $	$ \begin{array}{c} \{1 \frac{1}{2}\frac{1}{2}0\}*\\ 0\\ 0\\ 1\\ \end{array} \\ \begin{array}{c} 0\\ 1\\ \end{array} \\ \begin{array}{c} 11.5\\ 2_{0\frac{1}{2}0}^{010}\\ 0\\ \end{array} \\ \begin{array}{c} 0\\ 0\\ \end{array} \\ \begin{array}{c} 11.54 & P2_1'\\ 2_{0\frac{1}{2}0}^{010}*\\ 0\\ \end{array} \\ \begin{array}{c} 0\\ 0\\ \end{array} \\ \begin{array}{c} 0\\ 0\\ \end{array} \\ \begin{array}{c} 1\\ 0\\ \end{array} \\ \begin{array}{c} 0\\ \end{array} \\ \begin{array}{c}$	$ \begin{array}{c} 2^{010} \\ 0 \\ 0 \\ 0 \end{array} $ $ \begin{array}{c} 0 \\ P2_1/n \\ i \\ 0 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} $	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\overline{\text{dication}} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z'_{2P}$
$ \begin{array}{c c} 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_{2,2,4}\\ 000\\ 000\\ 000\\ 000\\ 000\\ 010\\ 012\\ \end{array} $	$ \begin{array}{c} (000) \\ (000) \\ (000) \\ \hline \end{array} $ weak $ \begin{array}{c} (000) \\ (020) \\ (000) \\ \hline \end{array} $ weak $ \begin{array}{c} (\overline{2}00) \\ (000) \\ \hline \end{array} $ $ \begin{array}{c} (000) \\ (000) \\ \hline \end{array} $ $ \begin{array}{c} (000) \\ (000) \\ \hline \end{array} $ $ \begin{array}{c} (000) \\ (001) \\ \hline \end{array} $	$ \begin{cases} 1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 1 \\ 1 \\ 11.5 \\ 2_{0\frac{1}{2}0}^{010} \\ 0 \\ 1 \\ 0 \\ 0 \\ 11.54 P2_{1}' \\ 2_{0\frac{1}{2}0}^{010}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 1 \\ 0 \\ 1 \\ 1$	$ \begin{array}{c c} 2^{010} \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 1 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} $	$\frac{2\overline{2}00}{2\overline{2}00}$ $\overline{1100}$ $\overline{\text{dication}} = \mathbb{Z}_M \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_2 \text{SI} = z'_{2P}$

110	(101)							
110	$(\overline{1}0\overline{1})$	0	0					
112	$(\overline{1}0\overline{1})$	1						
			$\frac{.55 P_a 2_1}{}$		ification = \mathbb{Z}_M	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}00\}*$	$2^{010}_{0\frac{1}{2}0}$	i	$Cm_{(2)}^{010}$			
0	(000)	0	0	0	$2\overline{2}00$			
0	(000)	0	0	0	$2\overline{2}00$			
1	(000)	1	0	1	$1\overline{1}00$			
		11	$1.56 P_b 2_1$	/m Classi	ification = \mathbb{Z}_M	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}0\}*$	$2^{010}*$	$i_{0\frac{1}{2}0}*$	$Cm_{(2)}^{010}$	1-8	21	
0	(000)	0	0	0	$2\overline{200}$			
0	(000)	0	0	0	$2\overline{2}00$			
1	(000)	1	1	0	$1\overline{1}00$			
		11	$.57 P_C 2_1$	/m Class	ification = \mathbb{Z}_M	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{2^{010}_{\frac{1}{2}00}*}{2^{010}_{\frac{1}{2}00}}$	$\frac{i_{\frac{1}{2}}\frac{1}{2}0^*}{}$	$Cm_{(2)}^{010}$	1105 22	2P	
0	(000)	0	$\frac{2\frac{1}{2}00}{0}$	$\frac{0}{2}\frac{1}{2}0$	$\frac{2\overline{200}}{200}$			
0	(000)	0	0	0	$\frac{2\overline{200}}{2\overline{200}}$			
1	(000)	1	1	0	$\frac{2200}{1\overline{1}00}$			
	(000)					V 77	CT /	
	1	$\frac{12.58}{2^{010}}$		Zlassification 010	$\mathbf{n} = \mathbb{Z}_M \times \mathbb{Z}$	$X_{\mathrm{BS}} = \mathbb{Z}_{2,2}$	$SI = z_{2P,2}, z'_{2P}$	
$\mathbb{Z}_{2,2}$	weak		$\frac{i}{2}$	$Cm_{(2)}^{010}$				
00	(220)	0	0	22				
00	(000)	0	0	$\frac{2\overline{2}}{2\overline{2}}$				
00	(000)	0	0	$\frac{22}{1\overline{1}}$				
01	(000)	0	1	11				
$\frac{10}{11}$	(110)	0	0	20				
	(110)				ET.) ET. T.	F7 0	T	
	1	$\frac{12.62 C2'}{2^{010}*}$		sification =	$= \mathbb{Z}^2 \times \mathbb{Z}_2 X_{\text{B}}$	$S = \mathbb{Z}_{2,2,4}$ S	$I = z_{2P,1}, z_{2P,3}, z_{4P}$	
$\mathbb{Z}_{2,2,4}$	$\frac{\text{weak}}{(2\overline{2}0)}$		$\frac{i}{0}$					
000	(002)	0	0					
000	(002)	0	0					
$\frac{000}{002}$	(000)	1	1					
010	(000)	0	0					
012	(001)		O					
100	(() -)	1	1					
102	$(1\bar{1}0)$	0	1 0					
- -	$\begin{array}{c} (1\overline{1}0) \\ (1\overline{1}0) \end{array}$	1 0 1	1 0 1					
110	$ \begin{array}{c} (1\overline{1}0) \\ (1\overline{1}0) \\ (1\overline{1}1) \end{array} $	0	0					
	$(1\overline{1}0)$	0	0					
110	$ \begin{array}{c} (1\overline{1}0) \\ (1\overline{1}1) \end{array} $	0 1 0 1	0 1 0 1	/m Classit	$\overline{\text{fication}} = \overline{\mathbb{Z}}_M$	$X_{ m RS} = \mathbb{Z}_{ m O}$	$SI = z'_{2D}$	
110 112	$(1\overline{1}0)$ $(1\overline{1}1)$ $(1\overline{1}1)$	0 1 0 1	0	$\frac{m}{i}$ Classif	$\begin{array}{c} \text{fication} = \mathbb{Z}_M \\ Cm_{\Omega}^{010} \end{array}$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	
$ \begin{array}{c c} 110 \\ 112 \\ \hline \mathbb{Z}_2 \end{array} $	$ \begin{array}{c} (1\overline{1}0) \\ (1\overline{1}1) \\ (1\overline{1}1) \end{array} $ weak	$ \begin{array}{c} 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 12 \\ \{1 00\frac{1}{2}\}* \end{array} $	$ \begin{array}{c} 0 \\ 1 \\ 0 \\ 1 \\ 2.63 C_c 2_{/2} \\ 2^{010} \end{array} $	i	$Cm_{(2)}^{010}$	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z'_{2P}$	
$ \begin{array}{c c} 110 \\ \hline 112 \\ \hline \mathbb{Z}_2 \\ 0 \end{array} $	$(1\overline{10})$ $(1\overline{11})$ $(1\overline{11})$ $(1\overline{11})$ weak (000)	$ \begin{array}{c} 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 15 \\ \{1 00\frac{1}{2}\}*\\ 0 \end{array} $	$ \begin{array}{c} 0 \\ 1 \\ 0 \\ 1 \\ 2.63 C_c 2_{/2} \\ 2^{010} \\ 0 \end{array} $	$\frac{i}{0}$	$\frac{Cm_{(2)}^{010}}{2\overline{2}}$	$X_{\mathrm{BS}}=\mathbb{Z}_2$	$SI = z'_{2P}$	
$ \begin{array}{c c} 110 \\ 112 \\ \hline \mathbb{Z}_2 \end{array} $	$ \begin{array}{c} (1\overline{1}0) \\ (1\overline{1}1) \\ (1\overline{1}1) \end{array} $ weak $ \begin{array}{c} (000) \\ (000) \end{array} $	$ \begin{array}{c} 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 12 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 0 \\ 1 \\ 0 \\ 1 \\ 2.63 C_c 2_{/2} \\ 2^{010} \end{array} $	<i>i</i> 0 0	$ \begin{array}{c} Cm_{(2)}^{010} \\ \hline 22 \\ \hline 2\overline{2} \end{array} $	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	
$ \begin{array}{c c} & 110 \\ \hline & 112 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\ \hline & 0 \end{array} $	$(1\overline{10})$ $(1\overline{11})$ $(1\overline{11})$ $(1\overline{11})$ weak (000)	$ \begin{array}{c} 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 12 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 2.63 C_c 2_f \\ 2^{010} \\ 0 \\ 0 \end{array} $	<i>i</i> 0 0 1	$ \begin{array}{c} Cm_{(2)}^{010} \\ \hline 2\overline{2} \\ \hline 2\overline{2} \\ 1\overline{1} \end{array} $			
$ \begin{array}{c c} & 110 \\ \hline & 112 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\ \hline & 0 \\ \hline & 1 \end{array} $	(110) (111) (111) (100) (100) (000) (000)	$ \begin{array}{c} 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 12 \\ \{1 00\frac{1}{2}\}*\\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 0 \\ 1 \\ 0 \\ 1 \\ 2.63 C_c 2_f \\ \hline 2^{010} \\ 0 \\ 0 \\ 2.64 C_a 2_f \end{array} $	$ \begin{array}{c} i \\ 0 \\ 0 \\ 1 \end{array} $	$ \frac{Cm_{(2)}^{010}}{2\overline{2}} $ $ 2\overline{2} $ $ 1\overline{1} $ fication = \mathbb{Z}_{M}	$X_{BS} = \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$		
$ \begin{array}{c c} & 110 \\ \hline & 112 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\ \hline & 0 \\ \hline & 1 \\ \hline & \mathbb{Z}_2 \end{array} $	(110) (111) (111) (100) (000) (000) (000) (000) weak	$ \begin{array}{c} 0\\ 1\\ 0\\ 1\\ 1 \end{array} $ $ \begin{array}{c} 12\\ \{1 00\frac{1}{2}\}*\\ 0\\ 0\\ 1\\ \{1 \frac{1}{2}\frac{1}{2}0\}*\\ \end{array} $	$ \begin{array}{c} 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 2.63 C_c 2_f \\ 2^{010} \\ 0 \\ 0 \\ 0 \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 2.64 C_a 2_f \\ 2^{010} \end{array} $	$ \begin{array}{c} i \\ 0 \\ 0 \\ 1 \\ \hline /m \text{Classif} \\ i \end{array} $	$ \frac{Cm_{(2)}^{010}}{2\overline{2}} $ $ 2\overline{2} $ $ 1\overline{1} $ $ fication = \mathbb{Z}_{M} $ $ Cm_{(2)}^{010} $			
$ \begin{array}{c c} & 110 \\ \hline & 112 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\ \hline & 0 \\ \hline & 1 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\$	(110) (111) (111) (111) weak (000) (000) (000) weak (000)	$ \begin{array}{c} 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 12 \\ \{1 00\frac{1}{2}\}*\\ 0 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 12 \\ \{1 \frac{1}{2}\frac{1}{2}0\}*\\ 0 \end{array} $	$ \begin{array}{c} 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 2.63 C_c 2_f \\ 2^{010} \\ 0 \\ 0 \\ 0 \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 2.64 C_a 2_f \\ 2^{010} \\ 0 \end{array} $	$ \begin{array}{c} i \\ 0 \\ 0 \\ 1 \\ \hline /m \text{Classif} \\ i \\ 0 \end{array} $	$ \frac{Cm_{(2)}^{010}}{2\overline{2}} $ $ 2\overline{2} $ $ 1\overline{1} $ $ fication = \mathbb{Z}_{M} $ $ \frac{Cm_{(2)}^{010}}{2\overline{2}} $			
$ \begin{array}{c c} & 110 \\ \hline & 112 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\ \hline & 0 \\ \hline & 1 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\$	(110) (111) (111) (100) (100) (100) (100) (100) (100) (100) (100)	$ \begin{array}{c} 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ \{1 00\frac{1}{2}\} * \\ 0 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ \{1 \frac{1}{2}\frac{1}{2}0\} * \\ 0 \\ 0 \end{array} $	$egin{array}{c} 0 \\ 1 \\ 0 \\ 1 \\ \hline 2.63 C_c 2_f \\ \hline 2^{010} \\ 0 \\ 0 \\ \hline 0 \\ \hline 2.64 C_a 2_f \\ \hline 2^{010} \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} i \\ 0 \\ 0 \\ 1 \\ \hline /m \text{Classif} \\ i \\ 0 \\ 0 \end{array} $	$ \frac{Cm_{(2)}^{010}}{2\overline{2}} $ $ 2\overline{2} $ $ 1\overline{1} $ $ \underline{fication} = \mathbb{Z}_{M} $ $ \underline{Cm_{(2)}^{010}} $ $ 2\overline{2} $ $ 2\overline{2} $			
$ \begin{array}{c c} & 110 \\ \hline & 112 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\ \hline & 0 \\ \hline & 1 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\$	(110) (111) (111) (111) weak (000) (000) (000) weak (000)	$ \begin{array}{c} 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 15 \\ 100\frac{1}{2} \\ 0 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 15 \\ 11 \\ 12 \\ 12 \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} 0 \\ 1 \\ 0 \\ 1 \\ 2.63 C_c 2_f \\ 2^{010} \\ \hline 0 \\ 0 \\ 2.64 C_a 2_f \\ 2^{010} \\ \hline 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} i \\ 0 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} /m \text{Classif} \\ i \\ 0 \\ 0 \\ 1 \end{array} $	$ \frac{Cm_{(2)}^{010}}{2\overline{2}} \\ \underline{2\overline{2}} \\ 1\overline{1} $ fication = \mathbb{Z}_M $ \underline{Cm_{(2)}^{010}} \\ \underline{2\overline{2}} \\ 2\overline{2} \\ 1\overline{1} $	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z'_{2P}$	
$ \begin{array}{c c} & 110 \\ \hline & 112 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\ \hline & 0 \\ \hline & 1 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\ \hline & 0 \\ \hline & 0 \\ \hline & 1 \\ \hline \end{array} $	(110) (111) (111) (100) (111) (111) weak (000) (000) (000) (000) (000) (000)	$ \begin{array}{c} 0\\ 1\\ 0\\ 1\\ 1 \end{array} $ $ \begin{array}{c} 12\\ \{1 00\frac{1}{2}\}*\\ 0\\ 0\\ 1\\ 13.65 \end{array} $	$ \begin{array}{c c} 0 \\ 1 \\ 0 \\ 1 \\ 2.63 C_c 2_f \\ 2^{010} \\ 0 \\ 0 \\ 2.64 C_a 2_f \\ 2^{010} \\ 0 \\ 0 \\ 0 \\ 0 \\ P2/c C_b \\ 0 $	$ \begin{array}{c} i \\ 0 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} /m \text{Classif} \\ i \\ 0 \\ 0 \\ 1 \end{array} $	$ \frac{Cm_{(2)}^{010}}{2\overline{2}} \\ \underline{2\overline{2}} \\ 1\overline{1} $ fication = \mathbb{Z}_M $ \underline{Cm_{(2)}^{010}} \\ \underline{2\overline{2}} \\ 2\overline{2} \\ 1\overline{1} $	$X_{\mathrm{BS}} = \mathbb{Z}_2$		
$ \begin{array}{c c} & 110 \\ \hline & 112 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\ \hline & 1 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\ \hline & 0 \\ \hline & 1 \\ \hline & \mathbb{Z}_{2,2} \end{array} $	(110) (111) (111) weak (000) (000) (000) weak (000) (000) weak (000) (000)	$\begin{array}{c} 0\\ 1\\ 0\\ 1\\ \hline \\ 1\\ \hline \\ \{1 00\frac{1}{2}\}*\\ 0\\ 0\\ 1\\ \hline \\ \{1 \frac{1}{2}\frac{1}{2}0\}*\\ 0\\ 0\\ 1\\ \hline \\ 13.65\\ 2^{010}_{00\frac{1}{2}}\\ \end{array}$	$ \begin{array}{c c} 0 \\ 1 \\ 0 \\ 1 \\ 2.63 C_c 2_f \\ 2^{010} \\ 0 \\ 0 \\ 2.64 C_a 2_f \\ 2^{010} \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline P2/c C_t \\ i $	$ \begin{array}{c} i \\ 0 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} /m \text{Classif} \\ i \\ 0 \\ 0 \\ 1 \end{array} $	$ \frac{Cm_{(2)}^{010}}{2\overline{2}} \\ \underline{2\overline{2}} \\ 1\overline{1} $ fication = \mathbb{Z}_M $ \underline{Cm_{(2)}^{010}} \\ \underline{2\overline{2}} \\ 2\overline{2} \\ 1\overline{1} $	$X_{\mathrm{BS}}=\mathbb{Z}_2$	$SI = z'_{2P}$	
$ \begin{array}{c c} & 110 \\ \hline & 112 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\ \hline & 1 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\ \hline & 0 \\ \hline & 1 \\ \hline & \mathbb{Z}_{2,2} \\ \hline & 00 \\ \hline & 0 \end{array} $	(110) (111) (111) (111) weak (000) (000) (000) weak (000) (000) (000)	$\begin{array}{c} 0\\ 1\\ 0\\ 1\\ \end{array}$ $\begin{array}{c} 1\\ \{1 00\frac{1}{2}\}*\\ 0\\ 0\\ 1\\ \end{array}$ $\begin{array}{c} 0\\ 1\\ \{1 \frac{1}{2}\frac{1}{2}0\}*\\ 0\\ 0\\ 1\\ \end{array}$ $\begin{array}{c} 0\\ 1\\ 3.65\\ 2\frac{010}{00\frac{1}{2}}\\ 0\\ \end{array}$	$ \begin{array}{c c} 0 \\ 1 \\ 0 \\ 1 \\ 2.63 C_c 2_f \\ 2^{010} \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline P2/c 0 \\ i \\ 0 \end{array} $	$ \begin{array}{c} i \\ 0 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} /m \text{Classif} \\ i \\ 0 \\ 0 \\ 1 \end{array} $	$ \frac{Cm_{(2)}^{010}}{2\overline{2}} \\ \underline{2\overline{2}} \\ 1\overline{1} $ fication = \mathbb{Z}_M $ \underline{Cm_{(2)}^{010}} \\ \underline{2\overline{2}} \\ 2\overline{2} \\ 1\overline{1} $	$X_{\mathrm{BS}}=\mathbb{Z}_2$	$SI = z'_{2P}$	
$ \begin{array}{c c} & 110 \\ \hline & 112 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\ \hline & 1 \\ \hline & \mathbb{Z}_2 \\ \hline & 0 \\ \hline & 0 \\ \hline & 1 \\ \hline & \mathbb{Z}_{2,2} \end{array} $	(110) (111) (111) weak (000) (000) (000) weak (000) (000) weak (000) (000)	$\begin{array}{c} 0\\ 1\\ 0\\ 1\\ \hline \\ 1\\ \hline \\ \{1 00\frac{1}{2}\}*\\ 0\\ 0\\ 1\\ \hline \\ \{1 \frac{1}{2}\frac{1}{2}0\}*\\ 0\\ 0\\ 1\\ \hline \\ 13.65\\ 2^{010}_{00\frac{1}{2}}\\ \end{array}$	$ \begin{array}{c c} 0 \\ 1 \\ 0 \\ 1 \\ 2.63 C_c 2_f \\ 2^{010} \\ 0 \\ 0 \\ 2.64 C_a 2_f \\ 2^{010} \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline P2/c C_t \\ i $	$ \begin{array}{c} i \\ 0 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} /m \text{Classif} \\ i \\ 0 \\ 0 \\ 1 \end{array} $	$ \frac{Cm_{(2)}^{010}}{2\overline{2}} \\ \underline{2\overline{2}} \\ 1\overline{1} $ fication = \mathbb{Z}_M $ \underline{Cm_{(2)}^{010}} \\ \underline{2\overline{2}} \\ 2\overline{2} \\ 1\overline{1} $	$X_{\mathrm{BS}}=\mathbb{Z}_2$	$SI = z'_{2P}$	

10	(010)	0	0					
$\frac{10}{11}$	(010)	0	1					
11	(010)		1					
			'/c' Classi	fication = \mathbb{Z}^2	$\mathbb{Z} \times \mathbb{Z}_2 = X_{\mathrm{I}}$	$_{\mathrm{BS}}=\mathbb{Z}_{2,2,4}$	$SI = z_{2P,1}, z_{2P,2}, z_{4D}$	P
$\mathbb{Z}_{2,2,4}$	weak	$2^{010}_{00\frac{1}{2}}*$	i					
000	(200)	0	0					
000	(004)	0	0					
000	$(00\overline{2})$	1	0					
$\frac{000}{002}$	/							
	(002)	0	1					
100	(100)	0	0					
102	(102)	0	1					
			$13.70 P_a 2$	/c Classifica	$tion = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}00\}*$	$2^{010}_{00\frac{1}{2}}$	i				
0	(000)	0	00 2	0				
1	(000)	1	0	1				
	(000)							
			$13.71 P_b 2_b$	c Classifica	$tion = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}0\}*$	$2^{010}_{00\frac{1}{2}}$	i				
0	(000)	0	0	0				
1	(000)	1	0	1				
	L (°)		12 79 D 0	/c Classifica	tion - 7	V 77	SI = ~'	
	***a - 1-	(1001)	$\frac{10.12}{5010}$		$\omega \omega = \mathbb{Z}_2$	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_2$	$z_{1} = z_{2P}$	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$2^{010}_{00\frac{1}{2}}$	$i_{00\frac{1}{2}}*$				
0	(000)	0	0	0				
1	(000)	1	0	0				
<u> </u>			$13.73 P_A 2$	/c Classifica	$ation = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2D}$	
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{010}_{00\frac{1}{2}}$	$i_{0\frac{1}{2}\frac{1}{2}}*$		20 2	21	
	(000)	0	$00\frac{1}{2}$	$\frac{0_{\overline{2}}}{0}$				
0	_ /							
1	(000)	1	0	0				
			13.74 $P_C 2$	/c Classifica	$ation = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{010}_{00\frac{1}{2}}$	i				
0	(000)	0	0	0				
1	(000)	1	0	1				
	()	1.1	75 D2./a	Classification	on — 7 × 7	. V7	ST = ~'	
-77	1_	0010	$\frac{i}{i}$	Classification	$J\Pi = \mathbb{Z} \times \mathbb{Z}$	$_{2}$ $\Lambda_{\mathrm{BS}}=\mathbb{Z}$	z_{2} z_{2P}	
\mathbb{Z}_2	weak	$2^{010}_{0rac{1}{2}rac{1}{2}}$						
0	(000)	0	0					
0	$(0\overline{2}0)$	$\overline{1}$	0					
1	(000)	0	1					
		14.79	$P2'_1/c'$ C	lassification =	$=\mathbb{Z}^2 imes\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_{2A}$	$SI = z_{2P,1}, z_{4P}$	
$\overline{\mathbb{Z}_{2,4}}$	weak	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$	$\frac{1}{i}$	-		2,4	21,1/	
00	(200)	$\frac{-0\frac{1}{2}\frac{1}{2}}{0}$						
	/		0					
00	(000)	0	0					
00	(002)	1	0					
02	(000)	1	1					
10	(100)	0	0					
12	(100)	1	1					
		1	$4.80 P_a 2_1$	/c Classifica	$ation = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}00\}*$	$2_{0\frac{1}{2}\frac{1}{2}}^{010}$	i			21	
0	(000)	0	$0^{\frac{1}{2}\frac{1}{2}}$	0				
1	(000)	1	0	1				
	(000)					37 ===	OT /	
	· -		$14.81 P_b 2_1$	/c Classifica	ation = \mathbb{Z}_2	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$S1 = z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}0\}*$	$2^{010}_{00\frac{1}{2}}*$	$i_{0\frac{1}{2}0}*$				
0	(000)	0	0	0				
1	(000)	1	1	0				

			14.00 D.0	/ C1 ·C / 77 V 77 CT /
	1		$\frac{14.82 P_c 2_1}{2010}$	X_{1}/c Classification = \mathbb{Z}_{2} $X_{BS} = \mathbb{Z}_{2}$ $X_{BS} = \mathbb{Z}_{2P}$
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$2_{0\frac{1}{2}\frac{1}{2}}^{010}$	$i_{00\frac{1}{2}}*$
0	(000)	0	0	0
1	(000)	1	0	0
		1	$A.83 P_A 2$	χ_1/c Classification = \mathbb{Z}_2 $\chi_{BS} = \mathbb{Z}_2$ $\chi_{BS} = \mathbb{Z}_2$ $\chi_{BS} = \mathbb{Z}_2$
$\overline{\mathbb{Z}_2}$	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{010}*$	i
0	(000)	0	0	0
1	(000)	1	1	1
		1	$\frac{1.84 P_{C2}}{1.84 P_{C2}}$	\mathbb{Z}_1/c Classification = \mathbb{Z}_2 $\mathbb{X}_{BS} = \mathbb{Z}_2$ $\mathbb{S}I = z_{2P}'$
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}*$	$i_{rac{1}{2}rac{1}{2}0}*$
0	(000)	0	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	$\frac{\overline{2}}{2}$
1	(000)	1	1	0
	(000)	15.85		<u> </u>
77		10.80		$\mathbf{X}_{\mathrm{BS}} = \mathbf{Z}_{2,2} \mathbf{X}_{\mathrm{BS}} = \mathbf{Z}_{2,2} \mathbf{SI} = z_{2P,2}, z_{2P}'$
$\mathbb{Z}_{2,2}$	weak	$2^{010}_{00\frac{1}{2}}$	i	
00	$(\overline{220})$	0	0	
00	(000)	0	0	
01	(000)	0	1	
10	$(\overline{110})$	0	0	
11	$(\overline{110})$	0	1	
		15.89		Classification = $\mathbb{Z}^2 \times \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_{2,4}$ $SI = z_{2P,1}, z_{4P}$
$\mathbb{Z}_{2,4}$	weak	$2^{010}_{00\frac{1}{2}}*$	i	
00	$(2\overline{2}4)$	0	0	
00	$(00\overline{4})$	0	0	
00	(002)	1	0	
02	$(00\overline{2})$	0	1	
10	$(1\overline{1}2)$	1	0	
12	$(1\overline{1}0)$	1	1	
			$15.90 \ C_c 2$	$2/c$ Classification = \mathbb{Z}_2 $X_{BS} = \mathbb{Z}_2$ $SI = z'_{2P}$
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$2^{010}_{00\frac{1}{2}}$	$i_{00\frac{1}{2}}*$
0	(000)	0	0	0
1	(000)	1	0	0
			15.91 <i>C</i> ₋ 2	\mathbb{Z}/c Classification = \mathbb{Z}_2 $X_{BS} = \mathbb{Z}_2$ $SI = z'_{2P}$
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{2^{010}_{00\frac{1}{2}}}{2^{00\frac{1}{2}}}$	i
0	(000)	0	$\frac{-00\frac{1}{2}}{0}$	0
1	(000)	1	0	1
	(000)	1.0		
	1_	$\frac{16}{2^{001}}$	$\frac{1.3 P2'2'2}{2^{010}*}$	Classification = $\mathbb{Z} \times \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$ $SI = z_{2C}$ $2^{100}*$
$\frac{\mathbb{Z}_2}{0}$	(002)	0	0	0
$\frac{0}{0}$	(002)	0	1	1
$\frac{0}{1}$	(000)	0	0	0
	(001)			
	arra . 1	$\frac{17.}{2^{001}*}$		X_1 Classification = $\mathbb{Z} \times \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$ $SI = z_{2C}$
\mathbb{Z}_2	weak	$-00\frac{1}{2}$	$2^{010}_{00\frac{1}{2}}*$	2
0	$(\overline{2}00)$	0	0	0
0	(000)	1	$\frac{1}{2}$	0
1	$\overline{100}$	0	0	0
		18.		
\mathbb{Z}_2	weak	2^{001}	$2^{010}_{\frac{1}{2}\frac{1}{2}0}*$	$2\frac{100}{\frac{1}{2}\frac{1}{2}0}$ *
0	(002)	0	0	0
0	(000)	0	1	1
1	(001)	0	0	0
		21.	40 C2'2'2	2 Classification = $\mathbb{Z} \times \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$ $SI = z_{2C}$

$\overline{\mathbb{Z}_2}$	weak	2^{001}	2010*	2 ¹⁰⁰ *	
$\frac{-2}{0}$	(002)	0	0	0	
0	(000)	0	1	1	
1	(001)	0	0	0	
		2	$25.60 Pm^{\circ}$	m'2 Clas	ssification = \mathbb{Z} $X_{BS} = \mathbb{Z}_2$ $SI = z_{2C}$
\mathbb{Z}_2	weak	2^{001}	$m_{010}*$	$m_{100}*$	
0	$(00\overline{2})$	0	0	0	
1	$(00\overline{1})$	0	0	0	
			27.81 Pc	c'2 Class	sification = \mathbb{Z} $X_{BS} = \mathbb{Z}_2$ $SI = z'_{2C}$
\mathbb{Z}_2	weak	2^{001}	$g_{00\frac{1}{2}}^{010}*$	$g_{00\frac{1}{2}}^{100}*$	
0	(004)	0	$\frac{30_2}{2}$	$\frac{002}{2}$	
1	(002)	0	1	1	
			28.91 Pm	'a'2 Clas	ssification = \mathbb{Z} $X_{BS} = \mathbb{Z}_2$ $SI = z_{2C}$
$\overline{\mathbb{Z}_2}$	weak	2^{001}	$g_{\frac{1}{2}00}^{010}*$	$g_{\frac{1}{2}00}^{100}*$	
0	$(00\overline{2})$	0	$\frac{\frac{1}{2}00}{0}$	$\frac{\frac{1}{2}00}{0}$	
1	$(00\overline{1})$	0	0	0	
	/	30	$0.117 P_{h}n$	c2 Classi	ification = \mathbb{Z}_2 $X_{BS} = \mathbb{Z}_2$ $SI = z'_{2C,\pi}$
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}0\}*$	$\frac{2_{0\frac{1}{2}0}^{001}*}{2_{0\frac{1}{2}0}^{001}*}$	$g_{0\frac{1}{2}\frac{1}{2}}^{010}$	$g_{00\frac{1}{2}}^{100}*$
0	(000)	1	0 ½ 0 1	$\frac{30\frac{1}{2}\frac{1}{2}}{1}$	0
	(300)		1		ssification = \mathbb{Z} $X_{BS} = \mathbb{Z}_2$ $SI = z_{2C}$
$\overline{\mathbb{Z}_2}$	weak	2^{001}	$\frac{g_{\frac{1}{2}\frac{1}{2}0}^{010}*}{g_{\frac{1}{2}\frac{1}{2}0}^{010}*}$	$\frac{g_{\frac{1}{2}\frac{1}{2}0}^{100}*}{g_{\frac{1}{2}\frac{1}{2}0}^{100}*}$	$\frac{1}{2} \frac{1}{2} \frac{1}$
0	$(00\overline{2})$	0	$\frac{g_{\frac{1}{2}\frac{1}{2}0}}{0}$	$\frac{g_{\frac{1}{2}\frac{1}{2}0}}{0}$	
1	(002) (001)	0	0	0	
	(001)				sification = \mathbb{Z}_2 $X_{\mathrm{BS}} = \mathbb{Z}_2$ $\mathrm{SI} = z'_{2C,\pi}$
$\overline{\mathbb{Z}_2}$	weak	$\frac{34}{\{1 \frac{1}{2}\frac{1}{2}0\}*}$	$\frac{103 - 1 Cn}{2^{001}}$		
				$g_{00\frac{1}{2}}^{010}*$	$g_{00\frac{1}{2}}^{100}*$
	(000)	1	0		<u>`</u>
	1	$\frac{3}{2^{001}}$			assification = \mathbb{Z} $X_{BS} = \mathbb{Z}_2$ $SI = z_{2C}$
$\frac{\mathbb{Z}_2}{0}$	$\frac{\text{weak}}{(00\overline{2})}$	0	$\frac{m_{010}*}{0}$	$\frac{m_{100}*}{0}$	
1	(002) (001)	0	0	0	
	(001)				ssification = \mathbb{Z} $X_{BS} = \mathbb{Z}_2$ $SI = z_{2C}'$
$\overline{\mathbb{Z}_2}$	weak	2^{001}			ssification = \mathbb{Z} $X_{\mathrm{BS}} = \mathbb{Z}_2$ $\mathrm{SI} = z_{2C}'$
			$g_{00\frac{1}{2}}^{010}*$	$g_{00\frac{1}{2}}^{100}*$	
0	(004)	0	2	2	
	(002)				Section 7 V 7 CI
$\overline{\mathbb{Z}_2}$	weak		$\frac{185 C_a cc}{2^{001}}$		$X_{BS} = \mathbb{Z}_2 X_{BS} = \mathbb{Z}_2 SI = z_{2,37.185}$
		$\{1 \frac{1}{2}\frac{1}{2}0\}*$		$g_{00\frac{1}{2}}^{010}$	$g_{00\frac{1}{2}}^{100}$
0	(000)	1	0	1	1
	1	$\frac{3}{2^{001}}$	$\frac{69.199 Ab^{6}}{0.10}$		ssification = \mathbb{Z} $X_{BS} = \mathbb{Z}_2$ $SI = z'_{2C}$
\mathbb{Z}_2	weak		$g_{00\frac{1}{2}}^{010}*$	$g_{00\frac{1}{2}}^{100}*$	
0	(022)	0	2	2	
1	(011)	0	1	1	
			.215 Ab'a	'2 Classif	fication = \mathbb{Z} $X_{BS} = \mathbb{Z}_2$ $SI = z_{2,41.215}$
\mathbb{Z}_2	weak	2^{001}	$g^{010}_{\frac{1}{2}0\frac{1}{2}}*$	$g_{\frac{1}{2}0\frac{1}{2}}^{100}*$	
0	(022)	0	2	2	
1	(011)	0	1	1	
		42.2	222 Fm'n		sification = \mathbb{Z} $X_{BS} = \mathbb{Z}_2$ $SI = z_{2,42.222}$
\mathbb{Z}_2	weak	2^{001}	$m_{010}*$	$m_{100}*$	
0	(220)	0	0	0	
1	$(\overline{110})$	0	0	0	10 H F W CT
			45.238 <i>Ib</i>	'a'2 Class	sification = \mathbb{Z} $X_{BS} = \mathbb{Z}_2$ $SI = z'_{2C}$

\mathbb{Z}_2	weak	2^{001}	$g_{00\frac{1}{2}}^{010}*$	$g_{00\frac{1}{2}}^{100}*$					
0	$(22\overline{2})$	0	$\frac{100^{\frac{1}{2}}}{2}$	$\frac{-60\overline{2}}{2}$					
1	$(11\overline{1})$	0							
	(/	47.249 <i>Pmr</i>	nm Class	ification -	- 7.6 - Xpg	$= \mathbb{Z}_{2,2,2,4}$	$SI - \gamma'$	2' - 2' - 2' -	
$\mathbb{Z}_{2,2,2,4}$	weak		$\frac{7010}{2010}$	$\frac{i}{i}$	$\frac{2^{100}}{2^{100}}$	$\frac{-22,2,2,4}{Cm_{(2)}^{100}}$	$\frac{S1 - z_2 p_{,1}}{Cm^{010}}$	$z'_{2P,2}, z'_{2P,3}, z'_{4P}$ $Cm^{001}_{(2)}$	
0000	(000)	0	0	0	0	$\frac{\overline{2}222}{2}$	$\frac{7m_{(2)}}{4400}$	$\frac{7m_{(2)}}{4400}$	
0000	(000)	0	0	0	0	$\frac{2222}{4400}$	$\frac{4400}{2222}$	$\frac{4400}{4400}$	
0000	(000)	0	0	0	0	$\frac{4400}{4400}$	$\frac{2222}{4400}$	$\frac{4400}{\overline{2}22\overline{2}}$	
0000	(000)	0	0	0	0	$\frac{4400}{4\overline{4}00}$	$\frac{4400}{4\overline{4}00}$	$\frac{2222}{4\overline{4}00}$	
0000	(000)	0	0	0	0	$\frac{4400}{2200}$	$\frac{4400}{2222}$	$\frac{4400}{2200}$	
0000	(000)	0	0	0	0	$\frac{2200}{\overline{2}2\overline{2}2}$	$\frac{2222}{\overline{2}200}$	$\frac{2200}{2200}$	
0000	(000)	0	0	0	0	$\frac{2222}{2200}$	$\frac{2200}{2200}$	$\frac{22\overline{00}}{\overline{2}2\overline{2}2}$	
0003	(000)	0	0	1	0	$\frac{2200}{1\overline{1}00}$	$\frac{2200}{1\overline{1}00}$	$\frac{2222}{1\overline{1}00}$	
0003	(000)	0	0	0	0	$\frac{1100}{2\overline{2}00}$	$\frac{1100}{2\overline{2}00}$	$\frac{1100}{2\overline{2}00}$	
0001	(000)	0	0	1	0	$\frac{2200}{3\overline{3}00}$	$\frac{2200}{3\overline{3}00}$	$\frac{2200}{3\overline{3}00}$	
0010	(000)	0	0	0	0	$\frac{\overline{2}200}{2}$	$\frac{\overline{2}200}{\overline{2}}$	<u>1111</u>	
0013	(000)	0	0	1	0	$\frac{1100}{1}$	$\frac{2200}{1100}$	$\frac{001\overline{1}}{1}$	
$\frac{0013}{0012}$	(000)	0	0	0	0	0000	0000	1111	
0012	(000)	0	0	1	0	$1\overline{1}00$	$1\overline{1}00$	$\frac{2\overline{2}1\overline{1}}{2\overline{2}}$	
0100	(000)	0	0	0	0	$\frac{1100}{2200}$	1111	$\frac{2211}{2200}$	
0103	(000)	0	0	1	0	$\frac{1100}{1}$	$001\overline{1}$	$\frac{2200}{1100}$	
0102	(000)	0	0	0	0	0000	1111	0000	
0101	(000)	0	0	1	0	$1\overline{1}00$	$2\overline{2}1\overline{1}$	$\frac{1100}{1}$	
0110	(000)	0	0	0	0	$\frac{1}{4}400$	3311	$\frac{\overline{3}31\overline{1}}{}$	
0113	(000)	0	0	1	0	3300	$\overline{2211}$	$\frac{2211}{2}$	
0112	(000)	0	0	0	0	$\frac{2200}{2}$	1111	<u>1111</u>	
0111	(000)	0	0	1	0	1100	$001\overline{1}$	$001\overline{1}$	
1000	(000)	0	0	0	0	<u>1</u> 111 <u>1</u>	2200	$\frac{1}{2}$ 200	
1003	(000)	0	0	1	0	$001\overline{1}$	$\overline{1}100$	1100	
1002	(000)	0	0	0	0	$1\overline{1}1\overline{1}$	0000	0000	
1001	(000)	0	0	1	0	$2\overline{2}1\overline{1}$	$1\overline{1}00$	1100	
1010	(000)	0	0	0	0	$\overline{3}31\overline{1}$	4400	3311	
1013	(000)	0	0	1	0	$\overline{2}21\overline{1}$	3300	$\overline{2}21\overline{1}$	
1012	(000)	0	0	0	0	<u>1</u> 111 <u>1</u>	$\overline{2}200$	<u>1</u> 1111	
1011	(000)	0	0	1	0	$001\overline{1}$	$\overline{1}100$	$001\overline{1}$	
1100	(000)	0	0	0	0	$\overline{3}31\overline{1}$	$\overline{3}31\overline{1}$	$\overline{4}400$	
1103	(000)	0	0	1	0	$\overline{2}21\overline{1}$	$\overline{2}21\overline{1}$	3300	
1102	(000)	0	0	0	0	$\overline{1}11\overline{1}$	$\overline{1}11\overline{1}$	$\overline{2}200$	
1101	(000)	0	0	1	0	$001\overline{1}$	$001\overline{1}$	<u>1</u> 100	
1110	(000)	0	0	0	0	$\overline{5}51\overline{1}$	$\overline{5}51\overline{1}$	$\overline{5}51\overline{1}$	
1113	(000)	0	0	1	0	$\overline{4}41\overline{1}$	$\overline{4}41\overline{1}$	$\overline{4}41\overline{1}$	
1112	(000)	0	0	0	0	$\overline{3}31\overline{1}$	$\overline{3}31\overline{1}$	$\overline{3}31\overline{1}$	
1111	(000)	0	0	1	0	$\overline{2}21\overline{1}$	$\overline{2}21\overline{1}$	$\overline{2}21\overline{1}$	
		47.252 Pm'r	n'm Class	sification =	$=\mathbb{Z}_M^2 imes \mathbb{Z}$	$X_{BS} = \mathbb{Z}_{2,1}$	$z_{2,2}$ SI = z_{2}	$z_{m,0}^{-}, z_{2m,0}^{-}, z_{2m,\pi}^{+}$	
$\mathbb{Z}_{2,2,2}$	weak	2^{001}	2010*	i	$\frac{n}{2^{100}}*$	$Cm_{(2)}^{001}$,0 2.10,0 2110,11	
000	$(00\overline{2})$	0	0	0	0	$\frac{2402}{}$			
000	(002)	0	0	0	0	0202			
000	(000)	0	0	0	0	$002\overline{2}$			
000	(000)	0	0	0	0	$00\overline{2}2$			
001	(000)	0	1	1	1	0011			
010	(001)	0	1	1	1	0101			
011	(001)	0	0	0	0	0110			
100	$(00\overline{1})$	0	0	0	0	$1\overline{2}0\overline{1}$			
101	$(00\overline{1})$	0	1	1	1	$1\overline{2}1\overline{2}$			
	_								

110	(000)	0	1	1	1	$1\overline{1}00$				
111	(000)	0	0	0	0	$1\overline{1}1\overline{1}$				
		$47.254 P_{a}$	mmm	Classification	$=\mathbb{Z}_{M}^{5}$	$X_{BS} = \mathbb{Z}_{2,2,4}$	$SI = z'_{2P}$	z'_{2P3}, z'_{4P}		
$\overline{\mathbb{Z}_{2,2,4}}$	weak	$\{1 \frac{1}{2}00\}*$	2^{001}	2^{010}	$\frac{i}{i}$	$X_{\rm BS} = \mathbb{Z}_{2,2,4}$ 2^{100}	$Cm_{(2)}^{100}$	$\frac{1}{2}, \frac{z'_{2P,3}, z'_{4P}}{Cm^{010}_{(2)}}$	$Cm_{(2)}^{001}$	
000	(000)	0	0	0	0	0	$\frac{(2)}{4400}$	$\overline{2222}$	$\frac{(2)}{4400}$	
000	(000)	0	0	0	0	0	$\bar{4}400$	4400	$\overline{2}22\overline{2}$	
000	(000)	0	0	0	0	0	$4\overline{4}00$	$4\overline{4}00$	$4\overline{4}00$	
000	(000)	0	0	0	0	0	2200	$\overline{2}2\overline{2}2$	$\overline{2}200$	
000	(000)	0	0	0	0	0	0000	$\overline{2}200$	$\overline{2}200$	
000	(000)	0	0	0	0	0	$\overline{2}200$	$\bar{2}200$	$\overline{2}2\overline{2}2$	
003	(000)	1	0	0	1	0	$1\overline{1}00$	$1\overline{1}00$	$1\overline{1}00$	
002	(000)	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	$2\overline{2}00$	
001	(000)	1	0	0	1	0	3300	$3\overline{3}00$	$3\overline{3}00$	
010	(000)	0	0	0	0	0	$\overline{2}200$	$\overline{2}200$	<u>1</u> 111 <u>1</u>	
013	(000)	1	0	0	1	0	1100	1100	$001\overline{1}$	
012	(000)	0	0	0	0	0	0000	0000	$1\overline{1}1\overline{1}$	
011	(000)	1	0	0	1	0	$1\overline{1}00$	1100	$2\overline{2}1\overline{1}$	
100	(000)	0	0	0	0	0	$\overline{2}200$	<u>1</u> 111 <u>1</u>	2200	
103	(000)	1	0	0	1	0	<u>1</u> 100	$001\overline{1}$	<u>1</u> 100	
102	(000)	0	0	0	0	0	0000	1111	0000	
101	(000)	1	0	0	1	0	$1\overline{1}00$	$2\overline{2}1\overline{1}$	$1\overline{1}00$	
110	(000)	0	0	0	0	0	4400	$\overline{3}31\overline{1}$	$\overline{3}31\overline{1}$	
113	(000)	1	0	0	1	0	3300	$\overline{2}21\overline{1}$	$\overline{2}21\overline{1}$	
112	(000)	0	0	0	0	0	2200	<u>1</u> 111 <u>1</u>	<u>1</u> 111 <u>1</u>	
111	(000)	1	0	0	1				$001\overline{1}$	
	, ,	47.255	P_Cmm	m Classificat	tion - 7	$\frac{4}{2}$ $X_{DG} - \mathbb{Z}_{e}$	$SI - \gamma'$	·_ ~′		
$\mathbb{Z}_{2,4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{10001}{2001}$	2010	$\frac{1}{i}$	$\frac{M}{2100}$	$ \frac{\overline{1}100}{Cm_{(2)}^{010}} $	$\frac{2P,3}{Cm^{001}}$	$Cm_{(2)}^{100}$	
$\frac{222,4}{00}$	(000)	0	0	0	0	0	$\frac{7m_{(2)}}{4400}$	$\frac{\overline{2222}}{\overline{2}}$	$\frac{6776(2)}{4400}$	
00	(000)	0	0	0	0	0	$\frac{4400}{4\overline{4}00}$	$\frac{2222}{4\overline{4}00}$	$\frac{4400}{4\overline{4}00}$	
00	(000)	0	0	0	0	0	0000	$\frac{4400}{2200}$	$\frac{4400}{2200}$	
00	(000)	0	0	0	0	0	$\frac{\overline{2}200}{2}$	$\frac{22\overline{00}}{\overline{2}2\overline{2}2}$	$\frac{2200}{2200}$	
00	(000)	0	0	0	0	0	$\frac{2200}{2200}$	$\frac{2222}{2200}$	0000	
03	(000)	1	0	0	1	0	$\frac{2200}{1\overline{1}00}$	$\frac{2200}{1\overline{1}00}$	$\frac{1100}{1}$	
$\frac{03}{02}$	(000)	0	0	0	0	0	$\frac{1100}{2\overline{2}00}$	$\frac{1100}{2\overline{2}00}$	$\frac{1100}{2\overline{2}00}$	
01	(000)	1	0	0	1	0	$\frac{2200}{3\overline{3}00}$	$\frac{2200}{3\overline{3}00}$	$\frac{2200}{3\overline{3}00}$	
10	(000)	0	0	0	0	0	$\frac{\overline{2}200}{2}$	<u> </u>	$\frac{3300}{2200}$	
13	(000)	1	0	0	1	0	$\frac{2200}{1100}$	$\frac{1111}{001\overline{1}}$	$\frac{2200}{1100}$	
$\frac{13}{12}$	(000)	0	0	0	0	0	0000	$\frac{0011}{1\overline{1}1\overline{1}}$	0000	
11	(000)	1	0	0	1	0	$1\overline{1}00$	$\frac{2\overline{2}1\overline{1}}{2\overline{2}}$	$\frac{1\overline{1}00}{1}$	
11	(000)								1100	
	**** - 1 ₋		$\frac{256 P_{I}}{2^{001}}$	$\frac{mmm}{2^{010}}$ Classif		$= \mathbb{Z}_{M}^{3} X_{\mathrm{BS}} = \frac{2^{100}}{2^{100}}$	$= \angle L_4 S1 = \frac{C_{222} \cdot 001}{C_{222} \cdot 001}$	$\frac{z_{4P}}{C_{m}-010}$	C == 100	
\mathbb{Z}_4	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$			<u>i</u>	<u>-</u>	$Cm_{(2)}^{001}$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{100}$	
0	(000)	0	0	0	0	0	$\frac{4\bar{4}00}{2000}$	$\frac{4\overline{4}00}{\overline{2}200}$	$\frac{4\overline{4}00}{\overline{2}200}$	
0	(000)	0	0	0	0	0	0000	$\bar{2}200$	$\frac{\overline{2}200}{\overline{2}200}$	
0	(000)	0	0	0	0	0	<u>2</u> 200	0000	$\overline{2}200$	
0	(000)	0	0	0	0	0	$\frac{\overline{2}200}{1\overline{1}00}$	$\frac{\overline{2}200}{1\overline{1}00}$	0000	
3	(000)	1	0	0	1	0	1 <u>1</u> 00	$1\overline{1}00$	1 <u>1</u> 00	
2	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$	$\frac{2\overline{2}00}{2\overline{2}00}$	$2\overline{2}00$	
1	(000)	1	0	0	1	0	$3\overline{3}00$	3300	$3\overline{3}00$	
			8.257 I	Pnnn Classifi	cation =	\mathbb{Z}_2 $\mathbb{X}_{\mathrm{BS}}=\mathbb{Z}_2$	\mathbb{Z}_2 $\overline{\mathrm{SI}} = z$	2P		
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}$	i	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$					
0	(000)	0	$\frac{2 \cdot 2}{0}$	0	0					
1	(000)	0	0	1	0					
	/	48.26	60 Pn'	n'n Classifics	ation = 3	$\mathbb{Z} \times \mathbb{Z}_2$ X_{BS}	$= \mathbb{Z}_2$ SI =	= $z_{o,p}'$		
		10.20		0100011100				2P		

$\overline{\mathbb{Z}_2}$	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}*$	i	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$			
0	(000)	0	0	0	0			
0	(002)	0	1	0	1			
1	(000)	0	1	1	1			
		48	R_{c}	nnn Classit	fication =	$=\mathbb{Z}_2$ $X_{BS}=$	\mathbb{Z}_2 SI $= z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}00}*$	i	$\frac{2^{100}}{2^{100}_{0\frac{1}{2}0}}*$	2 2F	
0	(000)	0	$\frac{\overline{2}\overline{2}\overline{0}}{0}$	$\frac{\frac{1}{2}00}{0}$	0	0		
1	(000)	1	0	1	1	1		
		48	$.263 P_{C}$	nnn Classi	fication =	$=\mathbb{Z}_2$ $X_{BS}=$	$=\mathbb{Z}_2$ $\mathrm{SI}=z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{2^{001}_{\frac{1}{2}\frac{1}{2}0}}{2^{001}_{\frac{1}{2}\frac{1}{2}0}}$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$\frac{2^{100}}{2_{0\frac{1}{2}\frac{1}{2}}^{100}}$		
0	(000)	0	0	$\frac{\bar{2}}{0}$	$\frac{\overline{2}\overline{2}0}{0}$	$0\frac{1}{2}\frac{1}{2}$		
1	(000)	1	0	0	0	0		
		48	8.264 P_{II}	nnn Classi	fication =	= 7/2 Xpg =	$=\mathbb{Z}_2$ $\mathrm{SI}=z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{2^{001}}{2^{\frac{1}{2}\frac{1}{2}0}}$	$\frac{2^{010}_{\frac{1}{2}0\frac{1}{2}}}{2^{0\frac{1}{2}}}$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\frac{2^{100}}{2^{100}_{0\frac{1}{2}\frac{1}{2}}}$	22 S1 ~2P	
0	(000)	0	$\frac{-\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{-\frac{1}{2}0\frac{1}{2}}{0}$	0	$\frac{-0\frac{1}{2}\frac{1}{2}}{0}$		
1	(000)	1	0	0	0	0		
	(000)		0.265 Pc				$=\mathbb{Z}_2$ $\mathrm{SI}=z_{2P}'$	
$\overline{\mathbb{Z}_2}$	weak	2001	$\frac{2^{010}_{00\frac{1}{2}}}{2^{00\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{2^{100}_{00\frac{1}{2}}}{2^{100}_{00\frac{1}{2}}}$	$\frac{Z_M}{Cm_{(2)}^{001}}$	z_{2P}	
0	(000)	0	$\frac{-\frac{2}{00\frac{1}{2}}}{0}$	0	$\frac{-00\frac{1}{2}}{0}$	$\frac{2\overline{200}}{2\overline{200}}$		
0	(000)	0	0	0	0	$\frac{2200}{2\overline{2}00}$		
1	(000)	0	0	1	0	$\frac{1\overline{1}00}{100}$		
	(000)			Classification	- 7. x ×		$\mathbb{Z}_{2,2}$ SI = $z_{2m,0}^+$	2 +
$\overline{\mathbb{Z}_{2,2}}$	weak	2001	$\frac{2^{010}_{00\frac{1}{2}}*}{2^{000}_{00\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{2100}{200\frac{1}{2}}*$	$\frac{Z R_{\rm BS} - Z}{Cm_{(2)}^{001}}$	$\omega_{2,2}$ or $\omega_{2m,0}$	$0, \sim 2m, \pi$
$\frac{222,2}{00}$	(000)	0	$\frac{-00\frac{1}{2}}{0}$	0	$\frac{2_{00\frac{1}{2}}}{0}$	$\frac{2\overline{200}}{2\overline{200}}$		
00	(004)	0	0	0	0	4022		
00	(000)	0	0	0	0	$\frac{\overline{2200}}{2\overline{200}}$		
01	(002)	0	0	1	0	2011		
10	(000)	0	1	1	1	$1\overline{1}00$		
11	(002)	0	1	0	1	$3\overline{1}11$		
		49.270	Pc'cm'	Classificatio	$\mathrm{on}=\mathbb{Z}\times$	\mathbb{Z}_2 $X_{BS} =$	$\mathbb{Z}_{2,2}$ SI $= z_{2P,2}$	z, z'_{2P}
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{001}*$	$2^{010}_{00\frac{1}{2}}$	i	$2^{100}_{00\frac{1}{2}}*$,	41
00	$(0\overline{2}0)$	0	0	0	0			
00	(000)	0	0	0	0			
01	(000)	1	0	1	1			
10	$(0\overline{1}0)$	0	0	0	0			
11	$(0\overline{1}0)$	1	0	1	1			
			$.272 P_a c$	ccm Classif	ication =	\mathbb{Z}_M X_{BS} =	$=\mathbb{Z}_2 \mathrm{SI}=z_{2P}'$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}00\}*$	2^{001}	$2^{010}_{00\frac{1}{2}}$	i	$2^{100}_{00\frac{1}{2}}$	$Cm_{(2)}^{001}$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
1	(000)	1	0	0	1	0	$1\overline{1}00$	
			$.273 P_c c$	cm Classif	ication =	\mathbb{Z}_M $X_{BS} =$	$=\mathbb{Z}_2$ $\mathrm{SI}=z_{2P}'$	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	2^{001}	$2^{010}*$	i	$2^{100}*$	$Cm_{(2)}^{001}$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
1	(000)	1	0	1	1	1	1100	
	,		$274 P_{B} \alpha$		fication =		$=\mathbb{Z}_2$ $SI=z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}_{\frac{1}{2}00}*$	$2^{100}_{\frac{1}{2}00}*$	i	2^{001}	$Cm_{(2)}^{001}$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
1	(000)	1	1	1	1	0	$1\overline{1}00$	

		40	275 Pa	ccm Classit	fication —	7. Ypg -	$=\mathbb{Z}_2$ $\mathrm{SI}=z_{2P}'$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{2^{10}}{2^{001}}$	$\frac{2_{00\frac{1}{2}}^{010}}{2_{00\frac{1}{2}}^{010}}$	$\frac{i}{i}$	$\frac{20M}{2_{00\frac{1}{2}}^{100}}$	$\frac{-z_2}{Cm_{(2)}^{001}}$	
0	(000)	0	0	$\frac{200\frac{1}{2}}{0}$	0	$\frac{2_{00\frac{1}{2}}}{0}$	$\frac{2\overline{200}}{2\overline{200}}$	
0	(000)	0	0	0	0	0	$\frac{2\overline{200}}{2\overline{200}}$	
1	(000)	1	0	0	1	0	$\frac{2200}{1\overline{1}00}$	
	(000)							
77	weak		$\frac{.276 P_{I}}{2^{001}}$	ccm Classif	$\frac{\text{fication} = }{i}$		$= \mathbb{Z}_2 \text{SI} = z_{2P}'$ C_m^{001}	
\mathbb{Z}_2		$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	<u>-</u>	$2^{010}_{00\frac{1}{2}}$		$2_{00\frac{1}{2}}^{100}$	$Cm_{(2)}^{001}$	
0	(000)	0	0	0	0	0	2 2 00	
	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{1\overline{1}00}$	
1	(000)	1			1			
	1				ication =	\mathbb{Z}_2 $X_{BS} =$	$\mathbb{Z}_2 \mathrm{SI} = z'_{2P}$	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}00}$	i	$2^{100}_{0\frac{1}{2}0}$			
0	(000)	0	0	0	0			
1	(000)	0	0	1	0			
		50.281		Classification		$X_{\rm BS} = X_{\rm BS}$	$\mathbb{Z}_{2,2} \text{SI} = z_{2P,3}, z_{2P}'$	
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}00}*$	i	$2^{100}_{0\frac{1}{2}0}*$			
00	$(00\overline{2})$	0	0	0	0			
00	(000)	0	0	0	0			
01	(000)	0	1	1	1			
10	$(00\overline{1})$	0	0	0	0			
11	$(00\overline{1})$	0	1	1	1			
		50.2				$\times \mathbb{Z}_2 X_{BS}$	$=\mathbb{Z}_2$ $SI=z'_{2P}$	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{\frac{1}{2}00}$	i	$2^{100}_{0\frac{1}{2}0}*$			
0	(000)	0	0	0	0			
0	$(0\overline{2}0)$	1	0	0	1			
1	(000)	1	0	1	1			
			$0.284 P_c$	ban Classi		$\mathbb{Z}_2 X_{BS} =$	$\mathbb{Z}_2 \mathrm{SI} = z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}00\}*$	$2^{010}_{\frac{1}{2}00}$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$i_{\frac{1}{2}00}*$	$2^{100}_{0\frac{1}{2}0}$		
0	(000)	0	0	0	0	0		
1	(000)	1	0	0	0	0		
		50	$0.285 P_{c}$	ban Classit	fication =	\mathbb{Z}_2 $X_{BS} =$	$\mathbb{Z}_2 \mathrm{SI} = z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}00}$	i	$2^{100}_{0\frac{1}{2}0}$		
0	(000)	0	0	0	0	0		
1	(000)	1	0	0	1	0		
		5($0.286 P_{A}$	<i>ban</i> Classi	fication =	\mathbb{Z}_2 $X_{BS} =$	\mathbb{Z}_2 SI = z'_{2P}	
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{100}_{0\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}00}$	i	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	21	
0	(000)	0	$\frac{0}{2}$ 0	$\frac{\frac{1}{2}00}{0}$	0	$\frac{\frac{\overline{2}}{2}\overline{2}0}{0}$		
1	(000)	1	0	0	1	0		
		50).287 Pc	ban Classi	fication =	\mathbb{Z}_2 $X_{BS} =$	\mathbb{Z}_2 SI = z'_{2P}	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}00}$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$\frac{2^{100}}{2^{100}_{0\frac{1}{2}0}}$		
0	(000)	0	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	0	$\frac{\overline{2}\overline{2}0}{0}$	0 = 0		
1	(000)	1	0	0	0	0		
	(000)		$0.288 P_{1}$	than Classi	fication =		\mathbb{Z}_2 SI = z'_{2P}	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{2^{001}_{\frac{1}{2}\frac{1}{2}0}}{2^{001}_{\frac{1}{2}\frac{1}{2}0}}$	$\frac{2^{010}_{\frac{1}{2}00}}{2^{010}_{\frac{1}{2}00}}$		$\frac{212 \text{ABS} - 100}{20\frac{1}{2}0}$	~ 2 $\sim 2P$	
0	(000)	0	$\frac{\frac{2\frac{1}{2}\frac{1}{2}0}{0}}{0}$	$\frac{\frac{2\frac{1}{2}00}{0}}{0}$	$\frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*}{0}$	$\frac{20\frac{1}{2}0}{0}$		
$\frac{0}{1}$	(000)	0 1	0	0	0	0		
	(000)						CI _ ~ ⁺ ⁺	
777	west.	51.289	$\frac{Pmma}{2^{010}}$	Classificati		$X_{\rm BS} = \mathbb{Z}_{2,3}$	$SI = z_{2m,0}^+, z_{2m,\pi}^+$ C_m^{010}	
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{\frac{1}{2}00}$		$\frac{i}{2}$	$2^{100}_{\frac{1}{2}00}$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	
00	(000)	0	0	0	0	$\frac{2\overline{2}00}{\overline{2}200}$	2 2 00	
00	(000)	0	0	0	0	$\overline{2}200$	$002\overline{2}$	

						_			
00	(000)	0	0	0	0	$2\overline{2}00$	0000		
00	(000)	0	0	0	0	0000	$00\overline{2}2$		
01	(000)	0	0	1	0	$\overline{1}100$	$001\overline{1}$		
10	(000)	0	0	1	0	$1\overline{1}00$	$1\overline{1}00$		
11	(000)	0	0	0	0	0000	$1\overline{1}1\overline{1}$		
		51.294	Pm'm'a	Classificat	$ion = \mathbb{Z} \times \mathbb{Z}$	$\mathbb{Z}_2 \mathbf{X}_{\mathrm{BS}} =$	$\mathbb{Z}_{2,2}$ $\mathrm{SI}=z$	$z_{2P.3}, z_{2P}'$	
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{001}_{\frac{1}{2}00}$	$2^{010}*$	i	$2^{100}_{\frac{1}{2}00}*$,0, 21	
00	$(00\overline{2})$	$\frac{\frac{1}{2}00}{0}$	0	0	$\frac{\frac{1}{2}00}{0}$				
00	(000)	0	0	0	0				
01	(000)	0	1	1	1				
10	$(00\overline{1})$	0	0	0	0				
11	$(00\overline{1})$	0	1	1	1				
	(**-)	51.29	5 <i>Pmm</i> ′			$\overline{\mathbb{Z}}$ X_{B}	7 .	$=z'_{2P}$	
\mathbb{Z}_2	weak		$\frac{5^{-1}mm}{2^{010}*}$	$\frac{a}{i}$	$\frac{\text{cation} - \mathbb{Z}_1}{2^{100}}$		$S = \mathbb{Z}_2$ S1 -	$-z_{2P}$	
		$2^{001}_{\frac{1}{2}00}*$			$2^{100}_{\frac{1}{2}00}$	$Cm_{(2)}^{100}$			
0	(000)	0	0	0	0	$2\overline{2}00$			
0	(200)	1	0	0	1	2011			
0	(000)	0	0	0	0	$2\overline{2}00$			
1	(000)	1	1	1	0	$1\overline{1}00$			
	5	1.296 Pm'r	na' Clas	sification =	$\mathbb{Z}_M^2 imes \mathbb{Z}$	$\overline{X_{\mathrm{BS}}} = \overline{\mathbb{Z}_{2,2,}}$	$_2$ $\overline{SI} = z_{2m}^+$	$z_{0,0}^-, z_{2m,0}^-, z_{2m,\pi}^+$	
$\mathbb{Z}_{2,2,2}$	weak	$2^{001}_{\frac{1}{2}00}*$	2010	i	$\frac{2^{100}}{2^{\frac{1}{2}00}}*$	$\Lambda_{\rm BS} \equiv \mathbb{Z}_{2,2,1}$ $Cm_{(2)}^{010}$,	
000	$(0\overline{2}0)$	0	0	0	0	$2\overline{4}0\overline{2}$			
000	(020)	0	0	0	0	0202			
000	(000)	0	0	0	0	$002\overline{2}$			
000	(000)	0	0	0	0	$00\overline{2}2$			
001	(000)	1	0	1	1	$001\overline{1}$			
010	(010)	1	0	1	1	0101			
011	(010)	0	0	0	0	0110			
100	$(0\overline{1}0)$	0	0	0	0	$1\overline{2}0\overline{1}$			
101	$(0\overline{1}0)$	1	0	1	1	$1\overline{2}1\overline{2}$			
110	(000)	1	0	1	1	$1\overline{1}00$			
111	(000)	0	0	0	0	$1\overline{1}1\overline{1}$			
		51.298	P_amma	Classificat	$z_{ion} = \mathbb{Z}_{3}^3$	$X_{DG} = \mathbb{Z}_2$	$SI = z_{2m}^+$	0. 22	
$\mathbb{Z}_{2,2}$	weak	$\{1 \frac{1}{2}00\}*$	$\frac{2^{001}_{\frac{1}{2}00}}{2^{00}}$	$\frac{2^{010}_{\frac{1}{2}00}*}{}$		$\frac{1100}{2^{100}}$ *	$\frac{2 S1 - z_{2m}}{Cm_{(2)}^{100}}$	$\frac{0,0,2m,\pi}{Cm_{(2)}^{010}}$	
		0		$\frac{2\frac{1}{2}00}{0}$	$i_{\frac{1}{2}00}*$		$\frac{Ont_{(2)}}{2\overline{2}00}$		
00	(000)		0		0	0	$\frac{2\overline{2}00}{\overline{2}200}$	$2\overline{2}00$	
00	(000)	0	0	0	0	0	$\frac{\overline{2}200}{2\overline{2}00}$	$\frac{002\overline{2}}{0000}$	
00	(000)	0	0	0	0	0	$2\overline{2}00$	0000	
$\frac{00}{01}$	(000)	0	0	0	0	0	$\frac{0000}{\bar{1}100}$	$\frac{00\overline{2}2}{001\overline{1}}$	
$\frac{01}{10}$	(000)	1 1	0	1	0	1	$\frac{1100}{1\overline{1}00}$	$\frac{0011}{1\overline{1}00}$	
$\frac{10}{11}$	(000)	0	0	$\frac{1}{0}$	0	0	0000	$\frac{1100}{1\overline{1}1\overline{1}}$	
	(000)								
		51.2		ma Classi:	$fication = \mathbb{Z}$	X_{M}^{2} $X_{BS} =$	\mathbb{Z}_2 SI = z	$\frac{+}{2m,0}$	
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}0\}*$	$2^{001}_{\frac{1}{2}00}$	2^{010}	i	$2^{100}_{\frac{1}{2}00}$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	0000	
0	(000)	0	0	0	0	0	0000	$2\overline{2}00$	
1	(000)	1	0	0	1	0	$1\overline{1}00$	$1\overline{1}00$	
		51.300	P_cmma	Classificat	$ion = \mathbb{Z}_M^3$	$X_{BS} = \mathbb{Z}_{2,i}$	$_2$ SI = z_{2m}^+	$ \frac{1\overline{100}}{0.0, z_{2m,\pi}^{+}} $ $ Cm_{(2)}^{010} $	
$\mathbb{Z}_{2,2}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{2^{001}_{\frac{1}{2}00}}{2^{00}}$	2^{010}	i	$\frac{2^{100}_{\frac{1}{2}00}}{2^{100}_{\frac{1}{2}00}}$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	
$\frac{-2,2}{00}$	(000)	0	$\frac{-\frac{1}{2}00}{0}$	0	0	$\frac{-\frac{1}{2}00}{0}$	$\frac{2\overline{200}}{200}$	$\frac{2\overline{200}}{2\overline{200}}$	
00	(000)	0	0	0	0	0	$\frac{2200}{2200}$	$\frac{002\overline{2}}{2}$	
00	(000)	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$	0000	
00	(000)	0	0	0	0	0	0000	$\frac{0000}{00\overline{2}2}$	
- 00	(000)	U	U	U	U	U	0000	0044	

	(000)	1	0	0	1	0	<u>1</u> 100	$001\overline{1}$	
10	(000)	1	0	0	1	0	$\frac{1100}{1\overline{1}00}$	$\frac{1100}{1}$	
11	(000)	0	0	0	0	0	0000	$\frac{1\overline{1}0\overline{0}}{1\overline{1}1\overline{1}}$	
	/	51.3	$R_{01} = P_{\Lambda} m_{i}$	na Classi	fication = 7	χ^2 $\chi_{\rm pg}$	$=\mathbb{Z}_2$ $SI=z$		
$\overline{\mathbb{Z}_2}$	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$\frac{2^{100}_{\frac{1}{2}00}}{2^{100}}$	$\frac{2^{001}_{\frac{1}{2}00}}{2^{00}}$	i	$\frac{2^{010}}{2^{010}}$	$\frac{-2}{Cm_{(2)}^{100}}$	$Cm_{(2)}^{010}$	
0	(000)	0	$\frac{\frac{1}{2}00}{0}$	$\frac{\frac{1}{2}00}{0}$	0	0	$\frac{200}{200}$	$\frac{200}{200}$	
0	(000)	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$	0000	
0	(000)	0	0	0	0	0	0000	$2\overline{2}00$	
1	(000)	1	0	0	1	0	$1\overline{1}00$	$1\overline{1}00$	
		51.302	P_Bmma	Classificat	$tion = \mathbb{Z}_M^3$	$X_{BS} = \mathbb{Z}$	$z_{2,2}$ SI = z_{2m}^+	$z_{2m,\pi}^{+}$	
$\overline{\mathbb{Z}_{2,2}}$	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}_{\frac{1}{2}0^{\frac{1}{2}}}*$	$2^{100}_{00\frac{1}{2}}*$	$i_{\frac{1}{2}0\frac{1}{2}}*$	$2^{001}_{\frac{1}{2}00}$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	
00	(000)	0	$\frac{\overline{2}0\overline{2}}{0}$	0	0	$\frac{\frac{1}{2}00}{0}$	$\frac{2\overline{200}}{200}$	$\frac{2\overline{200}}{200}$	
00	(000)	0	0	0	0	0	$\overline{2}200$	$002\overline{2}$	
00	(000)	0	0	0	0	0	$2\overline{2}00$	0000	
00	(000)	0	0	0	0	0	0000	$00\overline{2}2$	
01	(000)	1	1	1	0	0	$\overline{1}100$	$001\overline{1}$	
10	(000)	1	1	1	0	0	$1\overline{1}00$	$1\overline{1}00$	
11	(000)	0	0	0	0	0	0000	1111	
		51.3	$R_{C}m_{T}$	na Classi	fication = Z	\mathbf{Z}_{M}^{2} \mathbf{X}_{BS}	$=\mathbb{Z}_2$ SI $=z$	$_{2m,0}^{+}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{\frac{1}{2}00}$	$2^{010}_{\frac{1}{2}\frac{1}{2}0}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2^{100}_{0\frac{1}{2}0}*$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{100}$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	0000	
0	(000)	0	0	0	0	0	0000	$2\overline{2}00$	
1	(000)	1	0	1	0	1	$1\overline{1}00$	$1\overline{1}00$	
		51.5		na Classi	fication = \mathbb{Z}	$Z_M^2 = X_{BS}$	$=\mathbb{Z}_2$ $\mathrm{SI}=z_2$	$_{2m,0}^{+}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}_{\frac{1}{2}00}$	$2^{100}_{\frac{1}{2}00}$	i	2^{010}	$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	0000	
	(000)	0	0	0	0	0	0000	$2\overline{2}00$	
1	(000)	1	0	0	1	0	1 <u>1</u> 00	$1\overline{1}00$	
	1		$\frac{2.305}{2.010} Pn$		$\frac{\text{dication} = 2}{2}$	X_{2} $X_{BS} =$	$=\mathbb{Z}_2$ $\mathrm{SI}=z_2'$	P	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}00}$	$2^{010}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	i	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$				
0	(000)	0	0	0	0				
1	(000)	0	0	1	0				
	1	52.3			$cation = \mathbb{Z}$	$\times \mathbb{Z}_2 X_B$	$SS = \mathbb{Z}_2$ $SI = \mathbb{Z}_2$	z'_{2P}	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}00}$	$2^{010}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	i	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$				
0	(000)	0	0	0	0				
$\frac{0}{1}$	(002)	0	1 1	0	1 1				
	(000)					77 V	77 OT		
77.	monle	52.3		$\frac{i - \text{Classin}}{i}$	$ \frac{\text{cation} = \mathbb{Z}}{2^{100}} $	$\times \mathbb{Z}_2$ Λ_{B}	$SS = \mathbb{Z}_2$ $SI =$	z_{2P}	
$\frac{\mathbb{Z}_2}{\mathbb{Z}_2}$	weak	$2^{001}_{\frac{1}{2}00}*$	$2^{010}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$		$2^{100}_{0\frac{1}{2}\frac{1}{2}}$				
0	(000) $(\overline{2}00)$	$\frac{0}{1}$	0	0	0				
1	(000)	1	1	1	0				
1	(000)	52.3			-	v 77 V	_ 77 .01	~/	
$\overline{\mathbb{Z}_2}$	weak			$\frac{i - \text{Classin}}{i}$	$\frac{\text{cation} = \mathbb{Z}}{2^{100}}$	∧ <i>Ш</i> 2 Л В	$SS = \mathbb{Z}_2$ $SI =$	∠2P	
		$2^{001}_{\frac{1}{2}00}*$	$2^{010}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$		$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$				
$\frac{0}{0}$	(000)	0	$\frac{0}{1}$	0	0 1				
$\frac{0}{1}$	(020)	1	0	1	1				
	(000)		$2.314 P_a r$			7. V	$=\mathbb{Z}_2$ SI $=z_2'$		
$\overline{\mathbb{Z}_2}$	weak	$\frac{32}{\{1 \frac{1}{2}00\}*}$	$\frac{2.314 P_a \tau}{2_{0\frac{1}{2}\frac{1}{2}}^{010} *}$	$\frac{tna}{2_{0\frac{1}{2}\frac{1}{2}}^{100}}$	$\frac{\text{meation} = i}{i}$	$\frac{\mathbb{Z}_2 \mathbf{\Lambda}_{\mathrm{BS}}}{2^{001}} *$	$- \omega_2$ $\mathfrak{S}_1 = z_2$	2 <i>P</i>	
	,,,can	(+1200)*	$-0\frac{1}{2}\frac{1}{2}$	$-0\frac{1}{2}\frac{1}{2}$		_ 7			

0	(000)	0	0	0	0	0				
1	(000)	1	1	0	1	1				
		52	P_{b}	nna Classif	fication =	\mathbb{Z}_2 \mathbb{X}_{BS} =	$=\mathbb{Z}_2$	SI =	z_{2P}'	
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}0\}*$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$i_{0\frac{1}{2}0}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$				
0	(000)	0	0	0	0	0				
1	(000)	1	1	1	0	0				
		52	P_c	nna Classit	fication =	\mathbb{Z}_2 \mathbb{X}_{BS} =	$=\mathbb{Z}_2$	SI =	z_{2P}'	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$2^{100}_{0\frac{1}{2}0}*$	$2^{001}_{\frac{1}{2}00}$	i	$2^{010}_{\frac{1}{2}\frac{1}{2}0}*$				
0	(000)	0	0	0	0	0				
1	(000)	1	1	0	1	1				
		52	$.317$ P_A	nna Classi	fication =	$=\mathbb{Z}_2$ $X_{\mathrm{BS}}=$	$=\mathbb{Z}_2$	SI =	$=z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{100}*$	$2^{010}_{\frac{1}{2}00}*$	i	$2^{001}_{\frac{1}{2}00}$				
0	(000)	0	0	0	0	0				
1	(000)	1	1	1	1	0				
		52	.318 P_B	nna Classi	fication =	$=\mathbb{Z}_2$ $X_{\mathrm{BS}}=$	$=\mathbb{Z}_2$	SI =	$=z_{2P}^{\prime}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$	$i_{\frac{1}{2}0\frac{1}{2}}*$	$2^{001}_{\frac{1}{2}00}$				
0	(000)	0	0	0	0	0				
1	(000)	1	0	0	0	0				
		52		nna Classi	fication =		$=\mathbb{Z}_2$	SI =	$=z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{0\frac{1}{2}0}*$	$2^{010}_{00\frac{1}{2}}*$	i	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$				
0	(000)	0	0	0	0	0				
1	(000)	1	1	1	1	0				
		52		nna Classi	fication =	\mathbb{Z}_2 \mathbb{X}_{BS} =	$=\mathbb{Z}_2$	SI =	z_{2P}'	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}_{\frac{1}{2}00}$	$2^{100}_{\frac{1}{2}00}*$	i	2010*				
0	(000)	0	0	0	0	0				
1	(000)	1	0	1	1	1				
		53		nna Classif	ication =	\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_2$	SI =	$=z_{2P}^{\prime}$	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}$	i	2^{100}	$Cm_{(2)}^{100}$				
0	(000)	0	0	0	0	$2\overline{2}00$				
0	(000)	0	0	0	0	$2\overline{2}00$				
1	(000)	0	0	1	0	$1\overline{1}00$				
	,	53.32	$\frac{26}{2010}$ $Pm'r$	n'a Classific	cation = 1	$\mathbb{Z} \times \mathbb{Z}_2$ X_{B}	$_{\mathrm{BS}}=\mathbb{Z}$	L_2 S	$I = z'_{2P}$	
\mathbb{Z}_2	weak	$2^{001}_{rac{1}{2}0rac{1}{2}}$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}*$	i	$2^{100}*$					
0	(000)	0	0	0	0					
0	$(00\overline{2})$ (000)	$\frac{1}{0}$	1 1	0	0					
1	(000)					F77 337	F77	OT.	+ +	
	1			Classification	$\frac{1 = \mathbb{Z}_M \times 2^{100}}{2^{100}}$	\mathbb{Z} $X_{BS} = \frac{C_{\text{res}} 100}{C_{\text{res}}}$	$\mathbb{Z}_{2,2}$	S1 =	$z_{2m,0}^+, z_{2m,\pi}^+$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{010}_{\frac{1}{2}0^{\frac{1}{2}}}*$	$\frac{i}{2}$		$Cm_{(2)}^{100}$				
00	(000)	0	0	0	0	$\frac{2\overline{2}00}{4022}$				
00	(400)	0	0	0	0	$\frac{4022}{2\overline{2}00}$				
01	(200)	0	0	1	0	2011				
10	(000)	1	1	1	0	$\frac{1100}{1}$				
11	(200)	1	1	0	0	3111				
		53.328	Pm'na'	Classification		\mathbb{Z}_2 $X_{BS} =$	$\mathbb{Z}_{2.2}$	SI =	$= z_{2P,2}, z'_{2P}$	
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{001}_{\frac{1}{2}0^{\frac{1}{2}}}*$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}$	i	$2^{100}*$, , 21	
00	$(0\overline{2}0)$	$\frac{\bar{2}0\bar{2}}{0}$	0	0	0					
00	(000)	0	0	0	0					
01	(000)	1	0	1	1					
10	$(0\overline{1}0)$	0	0	0	0					
11	$(0\overline{1}0)$	1	0	1	1					

		F.9.	220 D	Cl:	C 4:	77/ V	77 CT	,	
	1-		$\frac{.330 P_a n}{.010}$	$\frac{na}{2^{100}}$ Classi		$\frac{\mathbb{Z}_M}{2001}$	$=\mathbb{Z}_2$ SI = z	2 <i>P</i>	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}00\}*$	$2^{010}_{00\frac{1}{2}}*$		i	$2^{001}_{00\frac{1}{2}}*$	$Cm_{(2)}^{100}$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	1	0	1	1	$1\overline{1}00$		
			$.331 P_b m$	na Classit	fication =		$=\mathbb{Z}_2$ $SI=z$	7 2P	
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}0\}*$	$2^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}$	i	2^{100}	$Cm_{(2)}^{100}$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	0	0	1	0	$1\overline{1}00$		
		53	$R_c m$	na Classi	fication =	\mathbb{Z}_M X_{BS} :	$=\mathbb{Z}_2$ $\mathrm{SI}=z$	I 9 P	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	2^{100}	$2^{010}_{\frac{1}{2}00}*$	i	$2^{001}_{\frac{1}{2}00}*$	$Cm_{(2)}^{100}$	21	
0	(000)	0	0	$\frac{\frac{1}{2}00}{0}$	0	0	$\overline{2\overline{2}00}$		
0	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{2}$		
1	(000)	1	0	1	1	1	$1\overline{1}00$		
	/	53	333 P ₄ n	na Classi	fication =	\mathbb{Z}_{M} \mathbb{X}_{DC}	$=\mathbb{Z}_2$ SI $=z$	/	
$\overline{\mathbb{Z}_2}$	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$\frac{2^{100}_{0\frac{1}{2}\frac{1}{2}}}{2^{100}_{0\frac{1}{2}\frac{1}{2}}}$	$\frac{2^{001}}{2^{\frac{1}{2}\frac{1}{2}0}}*$		$\frac{2^{010}_{M}}{2^{010}_{\frac{1}{2}0^{\frac{1}{2}}}}$	$\frac{-22}{Cm_{(2)}^{100}}$	² P	
0	(000)	$\frac{(1)^{0}22^{1}}{0}$	$\frac{2_{0\frac{1}{2}\frac{1}{2}}}{0}$	$\frac{\frac{2\frac{1}{2}\frac{1}{2}0}{0}}{0}$	$\frac{i_{0\frac{1}{2}\frac{1}{2}}*}{0}$	$\frac{2\frac{1}{2}0\frac{1}{2}}{0}$	$\frac{2\overline{200}}{2\overline{200}}$		
0	(000)	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$		
1	(000)	1	1	1	0	0	$\frac{2200}{1\overline{1}00}$		
	(000)							./	
77	weak		$\frac{334}{2^{010}}*$	$\frac{ma}{2^{001}}$ *	$\frac{\text{lication} = i}{i}$	$\frac{\mathbb{Z}_M \Lambda_{\text{BS}}}{2^{100}}$	$\frac{=\mathbb{Z}_2 \text{SI} = z}{Cm_{(2)}^{100}}$	2 <i>P</i>	
$\frac{\mathbb{Z}_2}{0}$	(000)	$\frac{\{1 \frac{1}{2}0\frac{1}{2}\}*}{0}$		$\frac{2}{0}$	$\frac{\imath}{0}$	-	$\frac{Cm_{(2)}}{2\overline{2}00}$		
0	(000)	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$		
$\frac{0}{1}$	(000)	1	1	1	1	0	$\frac{2200}{1\overline{1}00}$		
	(000)							1	
77	vroo lr		$\frac{330 P_C n}{2001}$	$\frac{ina}{2010}$	$\frac{\text{ncation} = i}{i}$	$\frac{\mathbb{Z}_M \Lambda_{\text{BS}}}{2^{100}}$	$=\mathbb{Z}_2$ SI = z	2P	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{0\frac{1}{2}\frac{1}{2}}*$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$		_	$Cm_{(2)}^{100}$		
0	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$		
$\frac{0}{1}$	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{1\overline{1}00}$		
	(000)	1		1	1			,	
	1			na Classi:		$\frac{\mathbb{Z}_M}{2^{100}}$	$=\mathbb{Z}_2$ $SI=z$	2 <i>P</i>	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}_{0\frac{1}{2}0}*$	$2^{010}_{0\frac{1}{2}0}*$	i	2100	$Cm_{(2)}^{100}$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	1	1	1	0	$1\overline{1}00$		
			4.337 Pc		ication = 2	$\mathbb{Z}_2 X_{\mathrm{BS}} =$	\mathbb{Z}_2 SI = z'_{2I})	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}00}$	$2^{010}_{00\frac{1}{2}}$	i	$2^{100}_{\frac{1}{2}0\frac{1}{2}}$				
0	(000)	0	0	0	0				
1	(000)	0	0	1	0				
		54.342		Classification		\mathbb{Z}_2 $X_{\mathrm{BS}} =$	$\mathbb{Z}_{2,2}$ SI = z	$z_{2C}^{\prime},\overline{z_{2P}^{\prime}}$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{\frac{1}{2}00}$	$2^{010}_{00\frac{1}{2}}*$	i	$2^{100}_{\frac{1}{2}0^{\frac{1}{2}}}*$				
00	(004)	0	0	0	0				
00	(000)	0	0	0	0				
01	(000)	0	1	1	1				
10	(002)	0	1	0	1				
11	(002)	0	0	1	0				
			343 <i>Pcc'</i> a		ation = \mathbb{Z}	$\times \mathbb{Z}_2$ X_{BS}	$I = \mathbb{Z}_2$ $SI =$	z'_{2P}	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}00}*$	$2^{010}_{00\frac{1}{2}}*$	i	$2^{100}_{\frac{1}{2}0\frac{1}{2}}$				
0	(000)	0	0	0	0				
0	(200)	1	0	0	1				
1	(000)	1	1	1	0				

		E 4 9 4 4	Pc'ca'	Classif 1	n = 77 · · r	7/ V 77/	CI _ ~ ~/
77	weak	54.344	2010	Classification		$ \Delta_2 \Lambda_{\rm BS} = \mathbb{Z}_{2,2} $	$SI = z_{2P,2}, z_{2P}'$
$\mathbb{Z}_{2,2}$		$2^{001}_{\frac{1}{2}00}*$	$2_{00\frac{1}{2}}^{010}$		$2^{100}_{\frac{1}{2}0\frac{1}{2}}*$		
00	$(0\overline{2}0)$	0	0	0	0		
00	(000)	0	0	0	0		
01	(000)	1	0	1	1		
10	$(0\overline{1}0)$	0	0	0	0		
11	$(0\overline{1}0)$	1	0	1	1		
				Pacca Classi			$SI = z'_{2P}$
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}00\}*$	$2^{001}_{\frac{1}{2}00}$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}*$	$i_{\frac{1}{2}00}*$	$2^{100}_{00\frac{1}{2}}*$	
0	(000)	0	0	0	0	0	
1	(000)	1	0	1	0	1	
		54	4.347 F	P _b cca Classic	fication =	$\mathbb{Z}_2 X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$
$\overline{\mathbb{Z}_2}$	weak	$\{1 0\frac{1}{2}0\}*$	$2^{001}_{\frac{1}{2}00}$	$2^{010}_{00\frac{1}{2}}$	i	$2^{100}_{\frac{1}{2}0\frac{1}{2}}$	21
0	(000)	0	$\frac{1}{2}00$	0^{00}	0	0	
1	(000)	1	0	0	1	0	
	(***)		1 21Q I	P _c cca Classic	faction -	7. V7.	$SI = z'_{2P}$
7.	weak			$\frac{c^{cca}}{2^{010}}*$	$\frac{110011 - i}{i}$		z_{2P}
$\frac{\mathbb{Z}_2}{\mathbb{Z}_2}$		$\{1 00\frac{1}{2}\}*$	$2^{001}_{\frac{1}{2}00}$			$2^{100}_{\frac{1}{2}00}*$	
0	(000)	0	0	0	0	0	
1	(000)	1	0	1	1	1	
	_			P_Acca Classi		\mathbb{Z}_2 $X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$i_{0\frac{1}{2}\frac{1}{2}}*$	$2^{010}_{00\frac{1}{2}}$	
0	(000)	0	0	0	0	0	
1	(000)	1	1	1	0	0	
		54		P_Bcca Classi	fication =	\mathbb{Z}_2 $X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}_{00\frac{1}{2}}$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}$	$i_{\frac{1}{2}0\frac{1}{2}}*$	$2^{001}_{\frac{1}{2}00}$	
0	(000)	0	0	0	0	0	
1	(000)	1	0	0	0	0	
		54	$\frac{1.351}{1.351}$	$P_{C}cca$ Classi	fication =	\mathbb{Z}_2 $X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{0\frac{1}{2}0}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{00\frac{1}{2}}$	21
0	(000)	0	$\frac{0}{2}$ 0	$0^{\frac{0}{2}\frac{1}{2}}$	0	$00^{\frac{1}{2}}$	
1	(000)	1	1	1	0	0	
	(000)		1 359 E		fication —	\mathbb{Z}_2 $X_{BS} = \mathbb{Z}_2$	SI - z'
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$			$\frac{i}{i}$	$\frac{\mathbb{Z}_2 \mathbf{A}_{BS} - \mathbb{Z}_2}{2_{0\frac{1}{2}0}^{100} *}$	$SI = z_{2P}$
0	(000)	0	0	0	0	0	
1	(000)	1	0	0	1	1	
	_	55.353	Pbam	Classification	on = \mathbb{Z}_M^2	$X_{BS} = \mathbb{Z}_{2,2}$	$\mathrm{SI} = z_{2m,0}^+, z_{2m,\pi}^+$
$\mathbb{Z}_{2,2}$	weak	2^{001}	$2^{010}_{\frac{1}{2}\frac{1}{2}0}$	i	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	$Cm_{(2)}^{001}$	
00	(000)	0	0	0	0	2200	
00	(000)	0	0	0	0	$002\overline{2}$	
00	(000)	0	0	0	0	$00\overline{2}2$	
01	(000)	0	0	1	0	$001\overline{1}$	
10	(000)	0	0	1	0	1100	
11	(000)	0	0	0	0	1111	
		55.357 Pb'a'	m Clas	ssification =	$\mathbb{Z}_M^2 \times \mathbb{Z}$	$X_{BS} = \overline{\mathbb{Z}_{2,2,2}}$	$SI = z_{2m,0}^+, z_{2m,0}^-, z_{2m,\pi}^+$
$\overline{\mathbb{Z}_{2,2,2}}$	weak	2^{001}	$2^{010}_{\frac{1}{2}\frac{1}{2}0}*$	i	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	$Cm_{(2)}^{001}$	
000	$(00\overline{2})$	0	0	0	0	$2\overline{4}0\overline{2}$	
000	(002)	0	0	0	0	0202	
000	(000)	0	0	0	0	$002\overline{2}$	
000	(000)	0	0	0	0	$00\overline{2}2$	
001	(000)	0	1	1	1	$001\overline{1}$	
010	(001)	0	1	1	1	0101	

011	(001)		0			0110		
011	(001)	0	0	0	0	0110		
100	$(00\overline{1})$	0	0	0	0	$\frac{1\overline{2}0\overline{1}}{1\overline{2}1\overline{2}}$		
101	$(00\overline{1})$	0	1	1	1	$1\overline{2}1\overline{2}$		
110	(000)	0	1	1	1	$\frac{1\overline{1}00}{1\overline{1}1\overline{1}}$		
111	(000)	0	0	0	0			
	_	55.35	$\frac{58}{10}$ $\frac{Pb'a}{10}$		$cation = \mathbb{Z}$	$\times \mathbb{Z}_2$ $X_{BS} =$	$=\mathbb{Z}_2 \mathrm{SI}=z_{2P}'$	_
\mathbb{Z}_2	weak	2 ⁰⁰¹ *	$2^{010}_{\frac{1}{2}\frac{1}{2}0}$	i	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$			
0	(000)	0	0	0	0			
0	(020)	0	1	0	1			
1	(000)	1	0	1	1			
		55.360	P_abam	Classificati	on $= \mathbb{Z}_M^2$	$X_{BS} = \mathbb{Z}_{2,2}$	$SI = z_{2m,0}^+, z_{2m,\pi}^+$	
$\mathbb{Z}_{2,2}$	weak	$\{1 \frac{1}{2}00\}*$	$2^{100}_{0\frac{1}{2}0}*$	$2^{001}_{\frac{1}{2}00}*$	i 1 2 00 *	$2^{010}_{\frac{1}{2}\frac{1}{2}0}$	$Cm_{(2)}^{001}$	
00	(000)	0	0	0	0	0	$2\overline{200}$	
00	(000)	0	0	0	0	0	$002\overline{2}$	
00	(000)	0	0	0	0	0	$00\overline{2}2$	
01	(000)	1	1	1	0	0	$001\overline{1}$	
10	(000)	1	1	1	0	0	$1\overline{1}00$	
11	(000)	0	0	0	0	0	$1\overline{1}1\overline{1}$	
		55.3	$R_c b = R_c b \epsilon$	am Classifi	$cation = \mathbb{Z}$	$X_{BS} = Z$	$Z_2 ext{ SI} = z_{2m,0}^+$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	2^{001}	$2^{010}_{\frac{1}{2}\frac{1}{2}0}$	i	$\frac{2^{100}_{\frac{1}{2}\frac{1}{2}0}}{2^{100}}$	$Cm_{(2)}^{001}$	
0	(000)	0	0	$\frac{\frac{1}{2} \frac{1}{2} 0}{0}$	0	0	$\frac{200}{200}$	
0	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$	
1	(000)	1	0	0	1	0	$\frac{2200}{1\overline{1}00}$	
===	(000)		$\overline{}$ $\phantom{$		$\overline{\text{ication}} = \mathbb{Z}$		\mathbb{Z}_2 SI = $z_{2m,0}^+$	
$\overline{\mathbb{Z}_2}$	weak			2010	$\frac{i}{i}$	$\frac{2M}{2^{001}}$	$\frac{\omega_2}{C_m^{001}}$	
		$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}\frac{1}{2}0}$			$Cm_{(2)}^{001}$	
0	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$	
0	\ /	0	0	0	0	0	$\frac{2200}{1\overline{1}00}$	
1	(000)	1	0		1 -2	0		
		55.363	$\frac{P_C bam}{2^{001}}$	Classificati 2010*		$X_{\rm BS} = \mathbb{Z}_{2,2}$ $2^{100}*$	$SI = z_{2m,0}^+, z_{2m,\pi}^+$	
$\mathbb{Z}_{2,2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$			i		$Cm_{(2)}^{001}$	
00	(000)	0	0	0	0	0	$2\overline{2}00$	
00	(000)	0	0	0	0	0	$002\overline{2}$	
00	(000)	0	0	0	0	0	$00\overline{2}2$	
01	(000)	1	0	1	1	1	0011	
10	(000)	1	0	1	1	1	$\frac{1\overline{1}00}{1\overline{1}1\overline{1}}$	
11	(000)	0	0	0	0	0	1111	
			$\frac{364 P_I b_0}{2^{001}}$	am Classifi	$cation = \mathbb{Z}$		$\mathbb{Z}_2 \text{SI} = z_{2m,0}^+$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	2001	$2^{010}_{00\frac{1}{2}}*$	i	$2^{100}_{00\frac{1}{2}}*$	$Cm_{(2)}^{001}$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
1	(000)	1	0	1	1	1	1100	
			6.365 P		fication = Z	$\mathbb{Z}_2 \overline{\mathrm{X}_{\mathrm{BS}} = \mathbb{Z}}$	$SI = z'_{2P}$	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}$	i	$2^{100}_{rac{1}{2}0rac{1}{2}}$			
0	(000)	0	0	0	0			
1	(000)	0	0	1	0			
		56.369	Pc'c'n	Classificati	$on = \overline{\mathbb{Z} \times \mathbb{Z}}$	\mathbb{Z}_2 $\mathbb{X}_{\mathrm{BS}} = \mathbb{Z}$	$SI = z'_{2C}, z'_{2P}$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$	i	$2^{100}_{\frac{1}{2}0^{\frac{1}{2}}}*$	·	. 20 21	
00	(004)	$\frac{\frac{\overline{2}}{2}\overline{2}0}{0}$	$0^{\frac{0}{2}\frac{1}{2}}$	0	$\frac{\overline{2}0\overline{2}}{0}$			
00	(000)	0	0	0	0			
01	(000)	0	1	1	1			
10	(002)	0	1	0	1			

11	(002)	0	0	1	0		
		56.3		' Classifie	$cation = \mathbb{Z}$	$\mathbb{Z} \times \mathbb{Z}_2 X_{\mathrm{BS}} = \mathbb{Z}_2 \mathrm{SI} = z_{2P}'$	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}$	i	$2^{100}_{\frac{1}{2}0\frac{1}{2}}*$	WA	
0	(000)	0	0	0	0		
0	$(0\overline{2}0)$	1	1	0	0		
1	(000)	1	0	1	1		
		5	$6.372 P_b c$	cn Classi	ification = 1	\mathbb{Z}_2 $X_{\mathrm{BS}} = \mathbb{Z}_2$ $\mathrm{SI} = z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 0\frac{1}{2}0\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{00\frac{1}{2}}*$	$i_{0\frac{1}{2}0}*$	$2_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{100}*$	
0	(000)	0	$\frac{\frac{1}{2} \frac{1}{2} 0}{0}$	$\frac{00_{\bar{2}}}{0}$	$\frac{0}{0}$	0	
1	(000)	1	0	1	0	1	
	/	5	$\frac{1}{6.373} P_{a}c$	cn Classi	ification =	\mathbb{Z}_2 $X_{\mathrm{BS}} = \mathbb{Z}_2$ $\mathrm{SI} = z_{2P}'$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{2^{001}_{\frac{1}{2}\frac{1}{2}0}}{2^{001}_{\frac{1}{2}\frac{1}{2}0}}$	$\frac{2^{010}_{0\frac{1}{2}0}*}{2^{010}_{0\frac{1}{2}0}}$	$\frac{i}{i}$	$\frac{2^{100}}{2^{1}}$ *	
0	(000)	0	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$0\frac{1}{2}$	0		
1	(000)	1	0	1	1	 1	
	(000)			*		$=\mathbb{Z}_2 \mathrm{X}_{\mathrm{BS}} = \mathbb{Z}_2 \mathrm{SI} = z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\frac{1 0\frac{1}{2}\frac{1}{2}\}*}{\{1 0\frac{1}{2}\frac{1}{2}\}*}$	$\frac{2^{100}_{\frac{1}{2}0^{\frac{1}{2}}}}{2^{100}_{\frac{1}{2}}}$	$\frac{2001}{2_{\frac{1}{2}0_{\frac{1}{2}}}^{001}}*$	$\frac{i}{i}$	$\frac{\mathbb{Z}_2 \mathbf{A}_{\mathrm{BS}} = \mathbb{Z}_2 \mathbf{S}_1 = \mathbb{Z}_{2P}}{2^{010}} *$	
$\frac{2}{0}$	(000)	0	$\frac{\frac{2}{2}0\frac{1}{2}}{0}$	$\frac{2\frac{1}{2}0\frac{1}{2}^{\pi}}{0}$	0	0	
$\frac{0}{1}$	(000)	0 1	0	1	0 1	1	
	(000)						
$\overline{\mathbb{Z}_2}$	weak		$\frac{0.375 P_C}{2001}$		ification =	$=\mathbb{Z}_2$ $X_{\mathrm{BS}}=\mathbb{Z}_2$ $\mathrm{SI}=z_{2P}'$	
		$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2_{0\frac{1}{2}\frac{1}{2}}^{100} *$	
	(000)	0 1	0	0	0	0	
1	(000)						
	1		$\frac{6.376}{2001} P_{I} c$			\mathbb{Z}_2 $\mathbb{X}_{\mathrm{BS}} = \mathbb{Z}_2$ $\mathrm{SI} = z_{2P}'$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}00}*$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}0}*$	
0	(000)	0	0	0	0	0	
1	(000)	1	0	1	0	<u> </u>	
			$7.377 \ Pbc$		fication = Z	\mathbb{Z}_M $X_{\mathrm{BS}} = \mathbb{Z}_2$ $\mathrm{SI} = z'_{2P}$	
\mathbb{Z}_2	weak	$2^{001}_{00\frac{1}{2}}$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}$	i	$2^{100}_{0\frac{1}{2}0}$	$Cm_{(2)}^{001}$	
0	(000)	0	0	0	0	2200	
0	(000)	0	0	0	0	2200	
1	(000)	0	0	1	0	1100	
		57.38	82 Pb'c'n	a Classific	$\operatorname{cation} = \mathbb{Z}_I$	$Z_M imes \mathbb{Z} \mathrm{X}_{\mathrm{BS}} = \mathbb{Z}_2 \mathrm{SI} = z_{2P}'$	
\mathbb{Z}_2	weak	$2^{001}_{00\frac{1}{2}}$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$	i	$2^{100}_{0\frac{1}{2}0}*$	$Cm_{(2)}^{001}$	
0	(000)	0	0	0	0	$2\overline{2}00$	
0	$(00\overline{2})$	1	1	0	0	2011	
0	(000)	0	0	0	0	$2\overline{2}00$	
1	(000)	0	1	1	1	1100	
	1	57.383			on = $\mathbb{Z} \times \mathbb{Z}$	$\mathbb{Z}_2 \mathbf{X}_{\mathrm{BS}} = \mathbb{Z}_{2,2} \mathrm{SI} = z_{2P,1}, z_{2P}'$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{00\frac{1}{2}}*$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$	i	$2^{100}_{0\frac{1}{2}0}$		
00	$(\overline{2}00)$	0	0	0	0		
00	(000)	0	0	0	0		
01	(000)	1	1	1	0		
$\frac{10}{11}$	$(\overline{1}00)$ $(\overline{1}00)$	0 1	0	0	0		
	(100)		1	1		77777 V 77 OT 1	
	1	57.3			$\frac{\text{cation} = \mathbb{Z}}{2^{100}}$	$\mathbb{Z} \times \mathbb{Z}_2 X_{\mathrm{BS}} = \mathbb{Z}_2 \mathrm{SI} = z'_{2P}$	
\mathbb{Z}_2	weak	$2^{001}_{00\frac{1}{2}}*$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}$	i	$2^{100}_{0\frac{1}{2}0}*$		
0	(000)	0	0	0	0		
	$(0\overline{2}0)$	0	1	0	1 1		
	(000)	1	0	1	1		
		57	$7.386 P_a b a$	cm Classi	fication = 2	$\mathbb{Z}_M \mathbf{X}_{\mathrm{BS}} = \mathbb{Z}_2 \mathrm{SI} = z_{2P}'$	

- F77	,	(41100)	2001	0010	•	6100	~ nn1		
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}00\}*$	$2^{001}_{00\frac{1}{2}}$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}$	i	$2^{100}_{0\frac{1}{2}0}$	$Cm_{(2)}^{001}$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	0	0	1	0	1100		
			$7.387 P_b ba$		fication = 2	\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_2$ SI $=$	z_{2P}'	
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}0\}*$	$2^{010}_{00\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}0}$	$i_{0\frac{1}{2}0}*$	$2^{001}_{0\frac{1}{2}\frac{1}{2}}*$	$Cm_{(2)}^{001}$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	1	0	0	1	$1\overline{1}00$		
			7.388 P_cba	cm Classi	fication = 1	\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_2$ SI $=$	z_{2P}^{\prime}	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	$2^{001}*$	$i_{00\frac{1}{2}}*$	$2_{0\frac{1}{2}\frac{1}{2}}^{010}$	$Cm_{(2)}^{001}$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	1	1	0	0	$1\overline{1}00$		
		57	$P_A b = 0.389$	cm Classi	fication =	\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_2$ SI =	$=z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{100}_{00\frac{1}{2}}*$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}$	$i_{0\frac{1}{2}\frac{1}{2}}*$	$2^{001}_{0\frac{1}{2}0}*$	$Cm_{(2)}^{001}$		
0	(000)	0	0	0	0	0	$\overline{2\overline{200}}$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	1	0	0	1	$1\overline{1}00$		
		57	$R_{B}b$	cm Classi	fication =	\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_2$ SI =	$=z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2_{0\frac{1}{2}\frac{1}{2}}^{010}$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$i_{\frac{1}{2}0\frac{1}{2}}*$	$2^{001}_{\frac{1}{2}00}*$	$Cm_{(2)}^{001}$	21	
0	(000)	0	$\frac{0 \overline{2} \overline{2}}{0}$	$\frac{\overline{2} \overline{2} \overline{2}}{0}$	0	$\frac{\frac{1}{2}00}{0}$	$2\overline{200}$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	0	1	0	1	$1\overline{1}00$		
	,	57	$R_{C}b_{C}$	cm Classi	fication =	\mathbb{Z}_M Xrs	$=\mathbb{Z}_2$ SI =	$= z'_{0D}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$\frac{100}{2_{0\frac{1}{2}0}^{100}}$	$Cm_{(2)}^{001}$	2P	
0	(000)	0	$\frac{\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	$\frac{\overline{2}\overline{2}0}{0}$	$0\frac{1}{2}0$	$\frac{2\overline{200}}{2\overline{200}}$		
0	(000)	0	0	0	0	0	$\frac{2\overline{200}}{2\overline{200}}$		
1	(000)	1	1	1	0	0	$1\overline{1}00$		
	/	57	' 392 Prhe	m Classi	fication =	\mathbb{Z}_{M} \mathbb{X}_{DC}	$=\mathbb{Z}_2$ SI $=$: 2 [!] -	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{2^{001}_{\frac{1}{2}\frac{1}{2}0}*}{2^{001}_{\frac{1}{2}\frac{1}{2}0}}$	$\frac{2^{010}_{\frac{1}{2}00}*}{2^{010}_{\frac{1}{2}00}}$	$\frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{i_{\frac{1}{2}\frac{1}{2}}}*$	$\frac{2_{0\frac{1}{2}0}^{100}}{2_{0\frac{1}{2}0}^{100}}$	$\frac{-\omega_2}{Cm_{(2)}^{001}}$	~2P	
0	(000)	0	$\frac{-\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{-\frac{1}{2}00}{0}$	$\frac{\frac{1}{2} \frac{1}{2} \frac{1}{2}}{0}$	$\frac{-0\frac{1}{2}0}{0}$	$\frac{2\overline{200}}{2\overline{200}}$		
0	(000)	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$		
1	(000)	1	1	1	0	0	$\frac{2200}{1\overline{1}00}$		
	(000)		3.393 <i>Pnr</i>		fication = 1		$=\mathbb{Z}_2$ SI =	. ~'	
$\overline{\mathbb{Z}_2}$	weak	$\frac{3001}{2^{001}}$	$\frac{2^{010}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	$\frac{ini}{i}$ Classi	$\frac{1000}{2^{100}}$	$\frac{Z_M - A_{BS}}{Cm_{(2)}^{001}}$	<i>- 2</i> 2 51 −	^{-2}P	
$\frac{2}{0}$	(000)	0	$\frac{\frac{2}{1}\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{\iota}{0}$	$\begin{array}{c} 2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \\ 0 \end{array}$	$\frac{2\overline{200}}{2\overline{200}}$			
0	(000)	0	0	0	0	$\frac{2200}{2\overline{2}00}$			
1	(000)	0	0	1	0	$\frac{2200}{1\overline{1}00}$			
	(000)				$\mathbf{n} = \mathbb{Z}_M \times \mathbb{I}$		77. CT	~+ ~+	
7.	weak	$\frac{58.397}{2^{001}}$	7010 L		$n = \angle M \times 100$	$\Delta \Lambda_{\rm BS} = \frac{\Lambda_{\rm BS}}{Cm^{001}}$	$\mu_{2,2}$ $\mathfrak{S}_{1} =$	$z_{2m,0}^+, z_{2m,\pi}^+$	
$\mathbb{Z}_{2,2}$			$2^{010}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$		$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$Cm_{(2)}^{001}$			
00	(000)	0	0	0	0	$2\overline{2}00$			
00	(004)	0	0	0	0	$\frac{4022}{2\overline{2}00}$			
00	(000)	0	0	1	0	2011			
10	(002)	0	1	1	1	$\frac{2011}{1\overline{1}00}$			
11	(000)	0	1	0	1	$\frac{1100}{3\overline{1}11}$			
	(302)	58.39					$_{\mathrm{BS}}=\mathbb{Z}_{2}$ SI	- v'	
$\overline{\mathbb{Z}_2}$	weak	$\frac{36.33}{2^{001}*}$	$\frac{2010}{2010}$	$\frac{i \text{Classiff}}{i}$	$\frac{1000}{200} = \mathbb{Z}$	$u \wedge \omega_2 = \Lambda_1$	$_{3S}-\omega_{2}$ S1	- ~ _{2P}	
			$2^{010}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$		$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$				
0	(000) $(\overline{2}00)$	0	$\frac{0}{1}$	0	$\frac{0}{1}$				
0	(200)	U	1	U	1				

1	(000)	1	1	1	0				
		58.	$400 P_a n$	nm Classi	fication =	\mathbb{Z}_M X_{BS} :	$= \mathbb{Z}_2 SI =$	z'_{2P}	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}00\}*$	$2^{010}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	$i_{\frac{1}{2}00}*$	$\frac{2^{001}_{\frac{1}{2}00}*}{2^{00}}$	$Cm_{(2)}^{001}$		
0	(000)	0	$\frac{222}{0}$	$\frac{0}{0}$	0	0	$\overline{2\overline{2}00}$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	0	1	0	1	$1\overline{1}00$		
		58.	$401 P_c n$	nm Classi	fication =	\mathbb{Z}_M X_{BS} :	$=\mathbb{Z}_2$ SI $=$	z'_{2P}	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	2^{001}	$2^{010}_{\frac{1}{2}\frac{1}{2}0}*$	i	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	$Cm_{(2)}^{001}$	21	
0	(000)	0	0	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	0	$\frac{\frac{\bar{2}}{2}\bar{2}^0}{0}$	$2\overline{200}$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	0	1	1	1	$1\overline{1}00$		
		58.	$402 P_B n$	nm Classi	ification =	\mathbb{Z}_M X_{BS}	$= \mathbb{Z}_2 \text{SI} =$	z'_{2D}	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}_{0\frac{1}{2}0}*$	$2^{100}_{0\frac{1}{2}0}*$	i	2^{001}	$Cm_{(2)}^{001}$	21	
0	(000)	0	$0^{\frac{1}{2}0}$	$0^{\frac{1}{2}0}$	0	0	$\frac{2\overline{200}}{200}$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	1	1	1	0	1100		
			$403 P_{C}n$	nm Classi	fication =	\mathbb{Z}_M X_{BS}		z'_{2D}	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{2^{001}}{2^{001}}$	$\frac{2^{010}_{00\frac{1}{2}}*}{2^{010\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{2^{100}_{00\frac{1}{2}}*}{2^{100}_{00\frac{1}{2}}*}$	$Cm_{(2)}^{001}$	~2P	
0	(000)	0	0	00 2	0	00 2	$\frac{200}{200}$		
0	(000)	0	0	0	0	0	$\frac{2\overline{200}}{2\overline{200}}$		
1	(000)	1	0	1	1	1	1100		
-	/	58	$404 P_{I}n$	nm Classi	fication =	Z _M X _{DC} :	$=\mathbb{Z}_2$ SI $=$	2'2 P	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{2^{001}}{2^{001}}$	2 ⁰¹⁰ *	$\frac{i}{i}$	$\frac{2^{100}}{2^{100}}$ *	$Cm_{(2)}^{001}$	~2P	
0	(000)	0	0	0	0	0	$2\overline{200}$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	0	1	1	1	$1\overline{1}00$		
		59.	405 Pm	mn Classi	fication =	\mathbb{Z}_M^2 X_{BS} :	$=\mathbb{Z}_2$ SI $=$	z'_{2P}	
$\overline{\mathbb{Z}_2}$	weak	$2^{001}_{rac{1}{2}rac{1}{2}0}$	$2^{010}_{0\frac{1}{2}0}$	i	$2^{100}_{\frac{1}{2}00}$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	21	
0	(000)	0	0	0	0	$\frac{2\overline{2}00}{2}$	$2\overline{200}$		
0	(000)	0	0	0	0	$2\overline{2}00$	0000		
0	(000)	0	0	0	0	0000	$2\overline{2}00$		
1	(000)	0	0	1	0	$1\overline{1}00$	$1\overline{1}00$		
		59.409	Pm'm'n	Classificati	$ion = \mathbb{Z} \times$	\mathbb{Z}_2 $X_{BS} =$	$\mathbb{Z}_{2,2}$ SI =	$z_{2P,3}, z'_{2P}$	
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{0\frac{1}{2}0}*$	i	$2^{100}_{\frac{1}{2}00}*$				
00	$(00\overline{2})$	0	0	0	0				
00	(000)	0	0	0	0				
01	(000)	0	1	1	1				
10	$(00\overline{1})$	0	0	0	0				
11	$(00\overline{1})$	0	1	1	1				
		59.41			$cation = \mathbb{Z}$	$\mathbb{Z}_M \times \mathbb{Z} = X_{\mathrm{H}}$	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ SI	z'_{2P}	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{0\frac{1}{2}0}*$	i	$2^{100}_{rac{1}{2}00}$	$Cm_{(2)}^{100}$			
0	(000)	0	0	0	0	$2\overline{2}00$			
0	$(\overline{2}00)$	1	0	0	1	2011			
0	(000)	0	0	0	0	$2\overline{2}00$			
1	(000)	1	1	1	0	$1\overline{1}00$			
			$412 P_b m$	mn Classi	ification =		$=\mathbb{Z}_2$ SI $=$	z_{2P}'	
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}0\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}*$	$i_{0\frac{1}{2}0}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	0000	
0	(000)	0	0	0	0	0	0000	$2\overline{2}00$	
1	(000)	1	0	1	0	1	$1\overline{1}00$	$1\overline{1}00$	

		59.	$\overline{A13}$ P_cm	mn Class	ification =	\mathbb{Z}^2 XBS	$=\mathbb{Z}_2$ SI $=$: z' _{0.D}	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	2^{001}_{1110}	2010	$\frac{\text{ification} =}{i}$	$\frac{-M}{2^{100}_{\frac{1}{2}00}}$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	
0	(000)	0	$\frac{\bar{2}\bar{2}0}{0}$	0 2 0	0	0	$\frac{2\overline{200}}{200}$	$\frac{2\overline{200}}{2\overline{200}}$	
0	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$	0000	
0	(000)	0	0	0	0	0	0000	$\frac{2\overline{2}00}{2}$	
1	(000)	1	0	0	1	0	$1\overline{1}00$	$\frac{1100}{1}$	
		59	$\overline{414}$ P_Bm	mn Class	sification =	\mathbb{Z}^2 , $X_{\rm DC}$	$=\mathbb{Z}_2$ SI =		
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$\frac{2^{010}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	$\frac{2^{001}_{\frac{1}{2}\frac{1}{2}0}}{2^{001}_{\frac{1}{2}\frac{1}{2}0}}$	$\frac{i_{\frac{1}{2}0^{\frac{1}{2}}}}{i_{\frac{1}{2}0^{\frac{1}{2}}}}$	$\frac{2_{M}^{11BS}}{2_{00\frac{1}{2}}^{100}}*$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{100}$	
0	(000)	0	$\frac{-\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{-\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{\overline{2}0\overline{2}}{0}$	$\frac{-00\frac{1}{2}}{0}$	$\frac{2\overline{200}}{200}$	$\frac{2\overline{200}}{2\overline{200}}$	
0	(000)	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$	0000	
0	(000)	0	0	0	0	0	0000	$\overline{2\overline{2}00}$	
1	(000)	1	1	0	0	1	$\overline{1100}$	$\frac{1100}{1}$	
	()		$A15 P_{cm}$	mn Class	sification =	\mathbb{Z}^2 . \mathbf{X}_{pg}	$=\mathbb{Z}_2$ SI =		
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{2^{001}}{2^{01}_{\frac{1}{2}\frac{1}{2}0}}$	$\frac{2^{010}}{2^{00}}*$		$\frac{Z_M}{2_{0\frac{1}{2}0}^{100}}$ *	$\frac{- \mathbb{Z}_2 \text{S1} - \mathbb{Z}_2}{Cm_{(2)}^{010}}$	$\frac{-z_{2P}}{Cm_{(2)}^{100}}$	
	(000)			$\frac{2\frac{1}{2}00}{0}$	$\frac{i_{\frac{1}{2}\frac{1}{2}0}*}{0}$	$\frac{2_{0\frac{1}{2}0}}{0}$	$\frac{2\overline{200}}{2\overline{200}}$	$\frac{2\overline{200}}{2\overline{200}}$	
0	(000)	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$	0000	
0	(000)	0	0	0	0	0	0000	$\frac{0000}{2\overline{2}00}$	
1	(000)	1	0	1	0	1	$\frac{1100}{100}$	$\frac{2200}{1\overline{1}00}$	
	(000)								
\mathbb{Z}_2	weak		$\frac{9010}{100}$	11111 Class	ification =	$\frac{\omega_M}{2001}$	$\frac{=\mathbb{Z}_2 \text{SI} =}{Cm_{(2)}^{010}}$	$\frac{z_{2P}}{C_m 100}$	
		$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$		$Cm_{(2)}^{100}$	
0	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{0000}$	$\frac{0000}{2\overline{2}00}$	
$\frac{0}{1}$	(000)	1	0	0	0	0	$1\overline{1}00$	$\frac{2200}{1\overline{1}00}$	
	(000)								
	1_		$\frac{60.417 Pb}{2010}$		$\frac{\text{fication} = 2}{200}$	$\chi_2 \chi_{\rm BS} =$	\mathbb{Z}_2 SI = z	$\frac{E'}{2P}$	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$2^{010}_{00\frac{1}{2}}$	i	$2^{100}_{\frac{1}{2},\frac{1}{2}0}$				
0	(000)	0	0	0	0				
1	(000)	0	0	1	0				
			$\frac{122 Pb'c'}{2010}$		$\operatorname{cation} = \mathbb{Z}$	$\times \mathbb{Z}_2 X_{BS}$	$\mathbb{S} = \mathbb{Z}_2$ SI =	$=z'_{2P}$	
\mathbb{Z}_2	weak	$2^{001}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$2^{010}_{00\frac{1}{2}}*$	i	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$				
0	(000)	0	0	0	0				
0	(002)	1	1	0	0				
1	(000)	0	1	1	1				
			$\frac{123 Pbc'r}{1000}$		$\operatorname{cation} = \mathbb{Z}$	$\times \mathbb{Z}_2$ X_{BS}	$\mathbb{S} = \mathbb{Z}_2$ SI =	$=z'_{2P}$	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{010}_{00\frac{1}{2}}*$	i	$2^{100}_{rac{1}{2}rac{1}{2}0}$				
0	(000)	0	0	0	0				
0	(200)	1	0	0	1				
1	(000)	1	1	1	0				
			Pb'cn' C	lassification	$n = \mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}$	$_{2,2}$ SI = z_2'	$z_P, z_{2,60.242}$	
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2_{00\frac{1}{2}}^{010}$	i	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$				
00	(040)	0	0	0	0				
00	$(0\overline{4}0)$	0	0	0	0				
01	$(0\overline{2}0)$	1	0	0	1				
10	(020)	0	0	1	0				
11	(000)	1	0	1	1				
			$0.426 P_a$		fication = 2		\mathbb{Z}_2 $\mathrm{SI}=2$	z_{2P}^{\prime}	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}00\}*$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}0}*$	$i_{\frac{1}{2}00}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$			
0	(000)	0	0	0	0	0			
1	(000)	1	1	1	0	0			
		6	$0.427 P_b l$	ocn Classi	fication = 2	\mathbb{Z}_2 $\mathbb{X}_{\mathrm{BS}} =$	\mathbb{Z}_2 $\mathrm{SI} = 2$	z'_{2P}	
$\overline{\mathbb{Z}_2}$	weak	$\{1 0\frac{1}{2}0\}*$	$\frac{2^{100}_{\frac{1}{2}00}*}{2^{100}_{\frac{1}{2}00}}$	$2^{001}_{\frac{1}{2}0^{\frac{1}{2}}}*$	i	$\frac{2^{010}}{2^{00\frac{1}{2}}}$		<u> </u>	
			200	$\frac{1}{2}$ $\frac{1}{2}$		υυ <u>7</u>			

0	(000)	0	0	0	0	0		
1	(000)	1	1	1	1	0		
			$0.428 P_c$		fication =	\mathbb{Z}_2 \mathbb{X}_{BS} =	$=\mathbb{Z}_2$ $\mathrm{SI}=z_{2P}'$	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$i_{00\frac{1}{2}}*$	$2^{010}_{00\frac{1}{2}}$		
0	(000)	0	0	0	0	0		
1	(000)	1	1	1	0	0		
		6	$0.429 P_{A}$	bcn Classi	ification =	\mathbb{Z}_2 X_{BS} :	$=\mathbb{Z}_2$ $\mathrm{SI}=z_{2P}'$	
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	$2^{001}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$i_{0\frac{1}{2}\frac{1}{2}}*$	$2^{010}_{00\frac{1}{2}}$		
0	(000)	0	0	0	0	0		
1	(000)	1	0	0	0	0		
		6	$0.430 P_{B}$		ification =		$=\mathbb{Z}_2$ $SI=z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}_{00\frac{1}{2}}$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	$i_{\frac{1}{2}0\frac{1}{2}}*$	$2^{001}_{0\frac{1}{2}0}*$		
0	(000)	0	0	0	0	0		
1	(000)	1	0	1	0	1		
		6	$0.431 P_{C}$	bcn Classi	ification =	\mathbb{Z}_2 X_{BS} :	$=\mathbb{Z}_2 \mathrm{SI}=z_{2P}'$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{00\frac{1}{2}}*$	$2_{00\frac{1}{2}}^{010}$	i	$2^{100}*$		
0	(000)	0	0	0	0	0		
1	(000)	1	1	0	1	1		
		6	$0.432 P_{I}$	bcn Classi	fication =		$=\mathbb{Z}_2$ $\mathrm{SI}=z_{2P}'$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}*$	$2^{010}_{00\frac{1}{2}}$	i	$2^{100}_{00\frac{1}{2}}*$		
0	(000)	0	0	0	0	0		
1	(000)	1	1	0	1	1		
			61.433 Pl	bca Classif	fication =	\mathbb{Z}_2 $X_{BS} =$	$=\mathbb{Z}_2$ $\mathrm{SI}=z'_{2P}$	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2_{0\frac{1}{2}\frac{1}{2}}^{010}$	i	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$			
0	(000)	0	0	0	0			
1	(000)	0	0	1	0			
			Pb'c'		cation $= \mathbb{Z}$	$\times \mathbb{Z}_2 X_B$	$S = \mathbb{Z}_2$ $SI = z'_{2P}$	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$	i	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$			
0	(000)	0	0	0	0			
0	(002)	1	1	0	0			
1	(000)	0	1	1	1		<u> </u>	
	1	6	$\frac{1.438}{2001} P_a$	$\frac{bca}{c_{010}}$ Classi	$\frac{\text{fication}}{\cdot}$	\mathbb{Z}_2 $X_{BS} =$	$=\mathbb{Z}_2 \mathrm{SI}=z_{2P}'$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}00\}*$	$2\frac{1}{2}0\frac{1}{2}$	$2^{010}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$i_{\frac{1}{2}00}*$	$2^{100}_{0\frac{1}{2}0}*$		
0	(000)	0	0	0	0	0		
1	(000)	1	0	1	0	1		
	1		$\frac{1.439 P_C}{2001}$	bca Classi		$\frac{\mathbb{Z}_2 X_{BS}}{2^{100}*}$	$=\mathbb{Z}_2 \mathrm{SI}=z_{2P}'$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{0\frac{1}{2}\frac{1}{2}}*$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}$	$\frac{i}{2}$			
0	(000)	0	0	0	0	0		
1	(000)	1	1	0	1	1 T	ET. CIT. I	
	1-		$\frac{1.440 P_I}{2010}$		$\frac{\text{fication}}{\cdot} =$	\mathbb{Z}_2 $X_{BS} = \frac{100}{100}$	$=\mathbb{Z}_2 \mathrm{SI}=z_{2P}'$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{010}_{\frac{1}{2}00}*$	$2^{001}_{0\frac{1}{2}0}*$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{00\frac{1}{2}}*$		
	(000)	0	0	0	0	0		
1	(000)	1	1	1	0	1		
	1-		$\frac{2.441 Pn}{2010}$		fication =		$=\mathbb{Z}_2$ $SI=z'_{2P}$	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{010}_{0\frac{1}{2}0}$	$\frac{i}{2}$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$Cm_{(2)}^{010}$		
0	(000)	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$		
$\frac{0}{1}$	(000)	0	0	0	0	$\frac{2\overline{2}00}{1\overline{1}00}$		
1	(000)			1			_ 7/ CI ./	
77	wool.	62.4		$\frac{a - \text{Classift}}{i}$	$\frac{\text{cation} = 2}{2^{100}}$	$\angle \times \angle \angle_2 = X_1$	$_{\mathrm{BS}} = \mathbb{Z}_2 \mathrm{SI} = z'_{2P}$	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{010}_{0\frac{1}{2}0}*$	ι	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$			

0	(000)	0	0	0	0			
0	$(00\overline{2})$	1	0	0	1			
1	(000)	0	1	1	1			
		62.4	47 <i>Pnm'</i>	a' Classifi	$cation = \mathbb{Z}$	$\mathbb{Z} \times \mathbb{Z}_2$ X_{BS}	$S = \mathbb{Z}_2$ $SI = z'_{2P}$	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}0^{\frac{1}{2}}}*$	$2^{010}_{0\frac{1}{2}0}*$	i	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$		21	
0	(000)	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	0	0	$\frac{\overline{2}\ \overline{2}\ \overline{2}}{0}$			
0	(200)	1	0	0	1			
1	(000)	1	1	1	0			
		62.44	18 Pn'ma	' Classific	$\operatorname{cation} = \mathbb{Z}$	$M \times \mathbb{Z} = X_{P}$	$SS = \mathbb{Z}_2$ $SI = z'_{2P}$	
\mathbb{Z}_2	weak	$2^{001}_{\frac{1}{2}0^{\frac{1}{2}}}*$	$2^{010}_{0\frac{1}{2}0}$	i	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\frac{M}{Cm_{(2)}^{010}}$	55 <u>2</u> - ZF	
0	(000)	$\frac{\bar{2}0\bar{2}}{0}$	$0^{\frac{0}{2}0}$	0	0	$\frac{2\overline{200}}{2\overline{200}}$		
0	$(0\overline{2}0)$	0	1	0	1	2011		
0	(000)	0	0	0	0	$2\overline{2}00$		
1	(000)	1	0	1	1	$1\overline{1}00$		
		62	$A50 P_a n$	ma Classi	fication =	Z _M X _{DC} :	$=\mathbb{Z}_2$ $\mathrm{SI}=z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}00\}*$	$\frac{2^{100}_{0\frac{1}{2}\frac{1}{2}}}{2^{100}_{0\frac{1}{2}\frac{1}{2}}}*$	$\frac{2^{010}}{2^{\frac{1}{2}\frac{1}{2}0}}*$	$i_{\frac{1}{2}00}*$	$\frac{2^{001}_{\frac{1}{2}0^{\frac{1}{2}}}$	$Cm_{(2)}^{010}$	
$\frac{-2}{0}$	(000)	0	$\frac{-0\frac{1}{2}\frac{1}{2}}{0}$	$\frac{-\frac{1}{2}\frac{1}{2}0}{0}$	0	$\frac{-\frac{1}{2}0\frac{1}{2}}{0}$	$\frac{2\overline{200}}{200}$	
0	(000)	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$	
1	(000)	1	1	1	0	0	$\frac{1100}{1}$	
	(000)						$=\mathbb{Z}_2$ SI $=z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\frac{02}{\{1 0\frac{1}{2}0\}*}$	$\frac{2^{010}*}{}$	$\frac{10001}{2\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$		$\frac{2100}{2\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\frac{- \mathbb{Z}_2 \text{S1} - \mathbb{Z}_{2P}}{Cm_{(2)}^{010}}$	
-					$\frac{i_{0\frac{1}{2}0}*}{0}$		$\frac{2\overline{200}}{200}$	
$\frac{0}{0}$	(000)	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$	
1	(000)	1	1	1	0	0	$\frac{2200}{1\overline{1}00}$	
	(000)							
\mathbb{Z}_2	weak		$\frac{.452 P_c n_c}{2010}$	$\frac{ma}{2^{100}}$	fication =		$= \mathbb{Z}_2 \text{SI} = z'_{2P}$	
		$\{1 00\frac{1}{2}\}*$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$i_{00\frac{1}{2}}*$	$2^{001}_{\frac{1}{2}00}*$	$Cm_{(2)}^{010}$	
0	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$	
$\frac{0}{1}$	(000)	0 1	0	0	0	0	$\frac{2\overline{2}00}{1\overline{1}00}$	
	(000)		*					
	1 1		$\frac{.453 P_A n}{.100}$				$=\mathbb{Z}_2$ $\operatorname{SI}=z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$i_{0\frac{1}{2}\frac{1}{2}}*$	$2^{010}_{00\frac{1}{2}}*$	$Cm_{(2)}^{010}$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
1	(000)	1	0	1	0	1	1100	
			$\frac{.454 P_B n}{.010}$	ma Classi		\mathbb{Z}_M X _{BS}	$=\mathbb{Z}_2$ $\operatorname{SI}=z_{2P}'$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}_{0\frac{1}{2}0}$	$2^{100}_{0\frac{1}{2}0}*$	i	2001*	$Cm_{(2)}^{010}$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
1	(000)	1	0	1	1	1	$1\overline{1}00$	
			$455 P_C n$	ma Classi		\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_2$ $\operatorname{SI}=z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{0\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{\frac{1}{2}00}*$	$Cm_{(2)}^{010}$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
1	(000)	1	1	0	0	1	$1\overline{1}00$	
			$.456 P_I n$	ma Classi	fication =	\mathbb{Z}_M X_{BS} :	$=\mathbb{Z}_2$ $\mathrm{SI}=z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}_{0\frac{1}{2}0}*$	$2^{010}_{0\frac{1}{2}0}$	i	$2^{100}*$	$Cm_{(2)}^{010}$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
1	(000)	1	1	0	1	1	$1\overline{1}00$	
		63	.457 Cm	cm Classi	fication =	\mathbb{Z}_M^2 X_{BS} =	$=\mathbb{Z}_2$ $\mathrm{SI}=z'_{2P}$	
\mathbb{Z}_2	weak	$2^{001}_{00\frac{1}{2}}$	$2^{010}_{00\frac{1}{2}}$	i	2^{100}	$Cm_{(2)}^{001}$	$Cm_{(2)}^{100}$	
		00 2	00 <u>2</u>			(2)	(2)	

0	(000)	0	0	0	0	$2\overline{2}00$	$2\overline{2}$				
$\frac{0}{0}$	(000)	0	0	0	0	$\frac{2200}{2\overline{2}00}$	00				
0	(000)	0	0	0	0	0000	$\frac{00}{2\overline{2}}$				
1	(000)	0	0	1	0	$\frac{1\overline{1}00}{1}$	$\frac{22}{11}$				
	(000)	63.46						_ ~'			
$\overline{\mathbb{Z}_2}$	weak	2001	$\frac{2 \cdot 0m \cdot c}{2_{00\frac{1}{2}}^{010} *}$		$\frac{2001 - Z}{200}$	$\frac{M \times Z - N}{Cm^{001}}$	$X_{\mathrm{BS}} = \mathbb{Z}_2 \mathrm{SI} =$	$-z_{2P}$			
		$\frac{2_{00\frac{1}{2}}^{100}}{0}$	$\frac{2_{00\frac{1}{2}}}{0}$			$\frac{2\overline{200}}{200}$					
$\frac{0}{0}$	(000) $(00\overline{2})$	$\frac{0}{1}$	1	0	0	2011					
0	(002)	0	0	0	0	$\frac{2011}{2\overline{2}00}$					
1	(000)	0	1	1	1	$\frac{2200}{1\overline{1}00}$					
	(000)		Cmc'm'	Classification			_ 7 SI _	~ ~'			
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{001}_{00\frac{1}{2}}*$	$\frac{2^{010}_{00\frac{1}{2}}*}{2^{00\frac{1}{2}}}$	i	$\frac{D\Pi - ZM}{2^{100}}$	$\frac{Z X_{\text{BS}}}{Cm_{(2)}^{100}}$	$=\mathbb{Z}_{2,2}$ $SI=$	$\mathcal{L}_{2P,2},\mathcal{L}_{2P}$			
00	$(\overline{2}20)$	$\frac{2_{00\frac{1}{2}}}{0}$	$\frac{2_{00\frac{1}{2}}}{0}$	0	0	$\frac{22}{22}$					
00	(000)	0	0	0	0	$\frac{22}{2\overline{2}}$					
00	(000)	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$					
$\frac{-00}{01}$	(000)	1	1	1	0	$\frac{22}{11}$					
10	$(\overline{1}10)$	0	0	0	0	11					
11	$(\overline{1}10)$	1	1	1	0	20					
	(- /	63.464	Cm'cm'	Classification	$on = \mathbb{Z} \times$		$=\mathbb{Z}_{2,2}$ $\mathrm{SI}=z$	Yo D.o. 21 -			
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{001}_{00\frac{1}{2}}*$	$\frac{2^{010}_{00\frac{1}{2}}}{2^{00\frac{1}{2}}}$	i	$\frac{011 - 22 \times 1}{2^{100}}$ *	<u> </u>	— <u>22,2</u> 51 — 2	$\sim 2P, 2, \sim 2P$			
00	(220)	$\frac{-00\frac{1}{2}}{0}$	$\frac{-00\frac{1}{2}}{0}$	0	0						
00	(000)	0	0	0	0						
01	(000)	1	0	1	1						
10	(110)	0	0	0	0				_		
11	(110)	1	0	1	1						
63.466 $C_c mcm$ Classification = \mathbb{Z}_M^2 $X_{BS} = \mathbb{Z}_2$ $SI = z_{2P}'$											
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	2001*	$\frac{2^{010}*}{}$	$\frac{i}{i}$	$\frac{\Delta_M}{2^{100}}$	$Cm_{(2)}^{001}$	$\frac{Cm_{(2)}^{100}}{Cm_{(2)}^{100}}$			
0	(000)	0	0	0	0	0	$\frac{1}{2\overline{2}00}$	$\frac{(2)}{2\overline{2}}$			
0	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{2}$	00			
0	(000)	0	0	0	0	0	0000	$2\overline{2}$			
1	(000)	1	1	1	1	0	$1\overline{1}00$	11			
		63.	$\frac{1}{467}$ $C_a n$	ncm Classi	fication =	\mathbb{Z}_M^2 X_{BS}	$S = \mathbb{Z}_2$ $SI = S$	z'_{2D}			
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{010}_{00\frac{1}{2}}$	2^{100}	i	$2_{00\frac{1}{2}}^{001}$	$Cm_{(2)}^{001}$	$Cm_{(2)}^{100}$			
0	(000)	0	0	0	0	0	$2\overline{200}$	$\frac{2\overline{2}}{2\overline{2}}$	_		
0	(000)	0	0	0	0	0	$2\overline{2}00$	00			
0	(000)	0	0	0	0	0	0000	$2\overline{2}$			
1	(000)	1	0	0	1	0	$1\overline{1}00$	$1\overline{1}$			
		63.	$\frac{1}{468}$ $C_A r$	ncm Classi	ification =	\mathbb{Z}_M^2 X_{BS}	$S = \mathbb{Z}_2$ $SI = \mathbb{Z}_2$	z'_{2P}			
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}_{0\frac{1}{2}0}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	$i_{0\frac{1}{2}\frac{1}{2}}*$	$2_{00\frac{1}{2}}^{010}$	$Cm_{(2)}^{001}$	$Cm_{(2)}^{100}$			
0	(000)	0	$\frac{0}{2}$ 0	$0^{\frac{0}{2}\frac{7}{2}}$	$\frac{0}{2}$	$00_{\overline{2}}$	$\frac{2\overline{200}}{200}$	$\frac{2\overline{2}}{2\overline{2}}$			
0	(000)	0	0	0	0	0	$2\overline{2}00$	00			
0	(000)	0	0	0	0	0	0000	$2\overline{2}$			
1	(000)	1	1	1	0	0	$1\overline{1}00$	11			
	•		.469 Cn	nca Classifi	ication = 2	\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_2$ $SI=z$	1 9 P			
\mathbb{Z}_2	weak	$2^{001}_{0\frac{1}{2}\frac{1}{2}}$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}$	i	2^{100}	$Cm_{(2)}^{100}$	_	<u> </u>			
0	(000)	$0^{\frac{0}{2}\frac{7}{2}}$	$\frac{0_{\overline{2}\overline{2}}}{0}$	0	0	$\frac{2\overline{2}}{2\overline{2}}$					
0	(000)	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$					
1	(000)	0	0	1	0	11					
	/	64.4	74 <i>Cm'</i> c	z'a Classific	$\operatorname{cation} = \mathbb{Z}$	$\mathbb{Z} \times \mathbb{Z}_2 = \mathbb{X}_1$	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ $\mathrm{SI}=% \mathrm{SI}_{2}$	z'_{2D}			
$\overline{\mathbb{Z}_2}$	weak	$2_{0\frac{1}{2}\frac{1}{2}}^{001}$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$	$\frac{i}{i}$	$\frac{2^{100}*}{}$	-2 -1		· 2F			
$\frac{-2}{0}$	(000)	$\frac{-0\frac{1}{2}\frac{1}{2}}{0}$	$\frac{-0\frac{1}{2}\frac{1}{2}}{0}$	0	0						
0	(000)	1	1	0	0						
	(002)	1									

1	(000)	0	1	1	1				
	()	64.475		Classification		7. Xpc =	$\mathbb{Z}_{2,2}$ $\mathrm{SI} = 1$	72.D.2. 72.5	
$\overline{\mathbb{Z}_{2,2}}$	weak	$\frac{2^{001}_{0\frac{1}{2}\frac{1}{2}}}{2^{001}_{0\frac{1}{2}\frac{1}{2}}} *$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$	$\frac{i}{i}$	$\frac{2^{100}}{2^{100}}$	$\frac{Cm_{(2)}^{100}}{Cm_{(2)}^{100}}$	2,2 01	~2F,2, ~2P	
00	$(2\overline{2}0)$	0 ½ ½	$0\frac{1}{2}\frac{1}{2}$	0	0	22			
00	(000)	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$			
00	(000)	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$			
01	(000)	1	1	1	0	11			
10	$(1\overline{1}0)$	0	0	0	0	11			
11	$(1\overline{1}0)$	1	1	1	0	20			
	,	64.476	Cm'ca'	Classification	$on = \mathbb{Z} \times \mathbb{Z}$	\mathbb{Z}_2 $\mathbb{X}_{BS} =$	$\mathbb{Z}_{2,2}$ $SI = z$	z_{2P2}, z'_{2P}	
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{001}_{0\frac{1}{2}\frac{1}{2}}*$	$2_{0\frac{1}{2}\frac{1}{2}}^{010}$	i	2100*	2 55	2,2	21 ,2) ·· 2P	
00	(220)	$0_{\overline{2}\overline{2}}$	$\frac{0_{\overline{2}\overline{2}}}{2}$	0	0				
00	(000)	0	0	0	0				
01	(000)	1	0	1	1				
10	(110)	1	1	0	0				
11	(110)	0	1	1	1				
		64	$1.478 C_{c}$	nca Classi	fication =	\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_2$ SI $=\mathbb{Z}_2$	z'_{2P}	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$2^{001}_{0\frac{1}{2}0}*$	$2^{100}_{00\frac{1}{2}}*$	$i_{00\frac{1}{2}}*$	$\frac{2_{0\frac{1}{2}\frac{1}{2}}^{010}}{2_{0\frac{1}{2}\frac{1}{2}}^{010}}$	$Cm_{(2)}^{100}$	21	
0	(000)	0	$0^{\frac{1}{2}0}$	$00_{\overline{2}}$	0	$0^{\frac{1}{2}}$	$\frac{2\overline{2}}{2\overline{2}}$		
0	(000)	0	0	0	0	0	$\frac{-2}{2\overline{2}}$		
1	(000)	1	1	1	0	0	$1\overline{1}$		
	,	64	$1.479 C_{a'}$	mca Classi	fication =	\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_2$ SI $=$ 2	z'_	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{2^{010}_{00\frac{1}{2}}*}{2^{00\frac{1}{2}}}$	$2^{100}_{0\frac{1}{2}0}*$	$i_{0\frac{1}{2}0}*$	$\frac{2^{001}_{0\frac{1}{2}\frac{1}{2}}}{2^{001}_{0\frac{1}{2}\frac{1}{2}}}$	$Cm_{(2)}^{100}$	*2P	
0	(000)	0	00 2	0 10	$0^{\frac{1}{2}0}$	0 ½ ½	$\frac{2\overline{2}}{2\overline{2}}$		
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$		
1	(000)	1	1	1	0	0	<u> </u>		
	/ /	64	480 Ca	mca Classi	fication =	\mathbb{Z}_M X_{DC}	$=\mathbb{Z}_2$ SI $=$.	2/ -	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{2^{001}*}{}$	2010*	$\frac{i}{i}$	$\frac{2^{100}}{2^{100}}$	$\frac{22}{Cm_{(2)}^{100}}$	~2P	
0	(000)	$\frac{(-1222)}{0}$	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$		
0	(000)	0	0	0	0	0	$\frac{\overline{22}}{2}$		
1	(000)	1	1	1	1	0	$1\overline{1}$		
		65.481	Cmmn	n Classifica	$tion = \mathbb{Z}^4$	$X_{BS} = 7$	$\mathbb{Z}_{2,4}$ $\operatorname{SI} = z_2'$	D 2. Z'A D	
$\overline{\mathbb{Z}_{2,4}}$	weak	2001	2^{010}	$\frac{i}{i}$	$\frac{2^{100}}{2^{100}}$	$Cm_{(2)}^{010}$	$\frac{-2,4}{Cm_{(2)}^{001}}$	$\frac{Cm_{(2)}^{100}}{Cm_{(2)}^{100}}$	
00	(000)	0	0	0	0	44	$\overline{2}22\overline{2}$	$\frac{1}{44}$	
00	(000)	0	0	0	0	$\overline{4\overline{4}}$	$\frac{-1}{4400}$	$4\overline{4}$	
00	(000)	0	0	0	0	00	2200	$\overline{2}2$	
00	(000)	0	0	0	0	$\overline{2}2$	$\overline{2}2\overline{2}2$	$\overline{2}2$	
00	(000)	0	0	0	0	$\overline{2}2$	$\overline{2}200$	00	
03	(000)	0	0	1	0	$1\overline{1}$	$1\overline{1}00$	$1\overline{1}$	
02	(000)	0	0	0	0	$2\overline{2}$	$2\overline{2}00$	$2\overline{2}$	
01	(000)	0	0	1	0	33	3300	33	
10	(000)	0	0	0	0	$\frac{\overline{2}2}{\overline{1}1}$	<u>1111</u>	$\overline{2}2$	
13	(000)	0	0	1	0	11	0011	<u>11</u>	
12	(000)	0	0	0	0	$\frac{00}{1\overline{1}}$	$\frac{1\overline{1}1\overline{1}}{2\overline{2}1\overline{1}}$	00	
11	/			1	0			<u>11</u>	
		$\frac{5.485 Cm'r}{2^{001}}$	$\frac{n'm}{2^{010}}$ Cla		$\frac{\mathbb{Z}_M^2 \times \mathbb{Z}}{2^{100}*}$	$X_{BS} = \mathbb{Z}_{2,}$	$z_{2,2}$ SI = z_{2n}	$z_{n,0}^-, z_{2m,0}^-, z_{2m,\pi}^+$	
$\mathbb{Z}_{2,2,2}$	weak			$\frac{i}{2}$		$Cm_{(2)}^{001}$			
000	(002)	0	0	0	0	$2\overline{4}0\overline{2}$			
000	$(00\overline{2})$ (000)	0	0	0	0	$\frac{0202}{002\overline{2}}$			
000	(000)	0	0	0	0	$\frac{0022}{00\overline{2}2}$			
000	(000)	0	1	1	1	$\frac{0022}{001\overline{1}}$			
	(000)	U	1	1	1	0011			

010	$(00\overline{1})$	0	1	1	1	0101				
011	$(00\overline{1})$	0	0	0	0	0110				
100	(001)	0	0	0	0	$\frac{1\overline{2}0\overline{1}}{1}$				
101	(001)	0	1	1	1	$\frac{1\overline{2}\overline{1}\overline{2}}{1\overline{2}}$				
110	(000)	0	1		1	$1\overline{1}00$				
111	(000)	0	0	0	0	1111				
	()		Cmm'm'				$=\mathbb{Z}_{2,2}$ $\mathrm{SI}=$	~~~~~		
$\overline{\mathbb{Z}_{2,2}}$	weak	$\frac{05.480}{2^{001}}*$	$\frac{2^{010}*}{2^{010}}$	i	$\frac{1011 - Z_M}{2^{100}}$	$\frac{\times \mathbb{Z} \text{ABS}}{Cm_{(2)}^{100}}$	$- \mathbb{Z}_{2,2}$ S1 $-$	$z_{2P,2}, z_{2P}$		
$\frac{22,2}{00}$	$(\overline{2}20)$		0	0	0	$\frac{Cm_{(2)}}{22}$				
00	(000)	0	0	0	0	$\frac{22}{2\overline{2}}$				
00	(000)	0	0	0	0	$\frac{22}{2\overline{2}}$				
01	(000)	1	1	1	0	$\frac{22}{1\overline{1}}$				
10	$(\overline{1}10)$	0	0	0	0	11				
11	$(\overline{1}10)$	1	1	1	0	20				
	(110)		100 0				77 CT	/		
	1.		$\frac{488 C_c m}{2^{001}}$	$\frac{nmm}{2^{010}}$ Class		$\frac{\mathbb{Z}_{M}^{\circ} \Lambda_{\mathrm{BS}}}{2^{100}}$	$=\mathbb{Z}_4$ SI $=$	$\frac{z_{4P}}{C_{4P}}$	C 100	
\mathbb{Z}_4	weak	$\{1 00\frac{1}{2}\}*$			i		$Cm_{(2)}^{010}$	$Cm_{(2)}^{001}$	$Cm_{(2)}^{100}$	
0	(000)	0	0	0	0	0	$\frac{4\overline{4}}{200}$	4400	$\frac{4\overline{4}}{\overline{2}}$	
0	(000)	0	0	0	0	0	00	2200	<u>2</u> 2	
0	(000)	0	0	0	0	0	$\frac{\overline{2}2}{\overline{2}2}$	0000	22	
0	(000)	0	0	0	0	0	<u>2</u> 2	<u>2</u> 200	00	
3	(000)	1	0	0	1	0	11	1 <u>1</u> 00	11	
2	(000)	0	0	0	0	0	$\frac{2\overline{2}}{3\overline{3}}$	$\frac{2\overline{2}00}{2\overline{2}00}$	$\frac{2\overline{2}}{2\overline{2}}$	
1	(000)	1	0	0	1	0		3300	$3\overline{3}$	
		65.489	$C_a mmr$	n Classifica	$\operatorname{ation} = \mathbb{Z}_I^4$	$X_{BS} = Z$		$z_{P,3}, z_{4P}'$	001	
$\mathbb{Z}_{2,4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	2^{001}	2^{010}	i	2^{100}	$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{001}$	
00	(000)	0	0	0	0	0	$\overline{4}4$	$\overline{4}4$	$\overline{2}22\overline{2}$	
00	(000)	0	0	0	0	0	$4\overline{4}$	$4\overline{4}$	$4\overline{4}00$	
00	(000)	0	0	0	0	0	$\overline{2}2$	00	$\overline{2}200$	
00	(000)	0	0	0	0	0	00	$\overline{2}2$	$\overline{2}200$	
00	(000)	0	0	0	0	0	$\overline{2}2$	$\overline{2}2$	$\overline{2}2\overline{2}2$	
03	(000)	1	0	0	1	0	<u>11</u>	<u>11</u>	1100	
02	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}$	$2\overline{2}00$	
01	(000)	1	0	0	1	0	33	33	3300	
10	(000)	0	0	0	0	0	$\overline{2}2$	$\overline{2}2$	1111	
13	(000)	1	0	0	1	0	11	11	0011	
12	(000)	0	0	0	0	0	00	00	1111	
11	(000)	1	0	0	1	0	11	$1\overline{1}$	$2\overline{2}1\overline{1}$	
		65.4	$490 C_A n$	nmm Class	sification =	$=\mathbb{Z}_M^3$ X_{BS}	$=\mathbb{Z}_4$ SI $=$	z'_{4P}		
\mathbb{Z}_4	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	2^{001}	2^{010}	i	2^{100}	$Cm_{(2)}^{001}$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{100}$	
0	(000)	0	0	0	0	0	$4\overline{4}00$	$4\overline{4}$	$4\overline{4}$	
0	(000)	0	0	0	0	0	0000	$\overline{2}2$	$\overline{2}2$	
0	(000)	0	0	0	0	0	$\overline{2}200$	00	$\overline{2}2$	
0	(000)	0	0	0	0	0	$\overline{2}200$	$\overline{2}2$	00	
3	(000)	1	0	0	1	0	$1\overline{1}00$	$1\overline{1}$	$1\overline{1}$	
2	(000)	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}$	$2\overline{2}$	
1	(000)	1	0	0	1	0	$3\overline{3}00$	$3\overline{3}$	$3\overline{3}$	
		60		ccm Classif	ication =	\mathbb{Z}_M $X_{BS} =$	$=\mathbb{Z}_2$ $\mathrm{SI}=z$	<i>1</i> 2 <i>P</i>		
\mathbb{Z}_2	weak	2^{001}	$2_{00\frac{1}{2}}^{010}$	i	$2^{100}_{00\frac{1}{2}}$	$Cm_{(2)}^{001}$				
0	(000)	0	0	0	0	$2\overline{200}$				
0	(000)	0	0	0	0	$2\overline{2}00$				
1	(000)	0	0	1	0	1100				
			C'c'm	Classification	$\eta = \mathbb{Z}_{M} \times$		$\mathbb{Z}_{2,2}$ $\operatorname{SI} = z_2$	+ ,+		
$\mathbb{Z}_{2,2}$	weak	2001	$\frac{2^{010}_{00\frac{1}{2}}*}{2^{00\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{1 - \mathbb{Z}_M \wedge}{2_{00\frac{1}{2}}^{100} *}$	$\frac{Z}{Cm_{(2)}^{001}}$	$\omega_{2,2}$ or ω_2	$2m,0,\sim 2m,\pi$		
	WORK		$-00\frac{1}{2}$		$-00\frac{1}{2}$	· '''(2)				

	(000)					2000			
00	(000)	0	0	0	0	$2\overline{2}00$			
00	$(00\overline{4})$	0	0	0	0	4022			
00	(000)	0	0	0	0	$2\overline{2}00$			
01	$(00\overline{2})$	0	0	1	0	2011			
10	(000)	0	1	1	1	1100			
11	$(00\overline{2})$	0	1	0	1	$3\overline{1}11$			
		66.496	Ccc'm'	Classification		$_{2}$ $X_{\mathrm{BS}} =$	$\mathbb{Z}_{2,2}$ SI =	$z_{2P,2}, z_{2P}^{\prime}$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}*$	$2_{00\frac{1}{2}}^{010}*$	i	$2^{100}_{00\frac{1}{2}}$				
00	$(\bar{2}20)$	0	0	0	0				
00	(000)	0	0	0	0				
01	(000)	1	1	1	0				
10	$\overline{(110)}$	0	0	0	0				
11	$(\overline{1}10)$	1	1	1	0				
	,	66	$6.498 C_{\odot}$	ccm Classific	cation $= \mathbb{Z}$	ZM Xpc:	$= \mathbb{Z}_2$ SI $=$: 200	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$\frac{2^{001}}{2^{001}}$	2 ⁰¹⁰ *	$\frac{i}{i}$	$\frac{2^{100}*}{}$	$Cm_{(2)}^{001}$	~2P	
0	(000)	0	0	0	0	0	$\frac{2\overline{200}}{200}$		
0	(000)	0	0	0	0	0	$\frac{2\overline{200}}{2\overline{200}}$		
1	(000)	1	0	1	1	1	$\frac{2200}{1\overline{1}00}$		
	(000)				1			,	
	1		$\frac{0.499 C_a}{2^{001}}$	ccm Classifi		λ_{M} λ_{BS}	$=\mathbb{Z}_2$ SI =	z_{2P}	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$		$2^{010}_{00\frac{1}{2}}$	i	$2^{100}_{00\frac{1}{2}}$	$Cm_{(2)}^{001}$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	0	0	1	0	$1\overline{1}00$		
		66	.500 C_A	ccm Classifi	$cation = \mathbb{Z}$	Z_M^2 X_{BS}	$=\mathbb{Z}_2$ SI =	$=z_{2P}^{\prime}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}_{000}*$	$2^{010}_{0\frac{1}{2}0}*$	i*	$2^{100}_{0\frac{1}{2}0}$	$Cm_{(2)}^{001}$	$Cm_{(2)}^{010}$	
0	(000)	0	0	0	0	0	$2\overline{200}$	$\frac{\overline{22}}$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	00	
0	(000)	0	0	0	0	0	0000	$2\overline{2}$	
1	(000)	1	1	1	0	0	$1\overline{1}00$	$1\overline{1}$	
	/ /	67	.501 Cn	ama Classifi	$cation = \mathbb{Z}$	72 Xpg	$=\mathbb{Z}_2$ SI =	= 2'	
$\overline{\mathbb{Z}_2}$	weak	$2_{0\frac{1}{2}0}^{001}$	$\frac{2^{010}_{0\frac{1}{2}0}}{2^{010}_{0\frac{1}{2}0}}$		$\frac{2^{100}}{2^{100}}$	$\frac{Cm_{(2)}^{010}}{Cm_{(2)}^{010}}$	$\frac{-22}{Cm_{(2)}^{100}}$	~2P	
0	(000)		$\frac{2_{0\frac{1}{2}0}}{0}$	<u> </u>		$\frac{2\overline{2}}{2\overline{2}}$	$\frac{\overline{22}}{2\overline{2}}$		
0	(000)	0	0	0	0	$\frac{22}{2\overline{2}}$	00		
0	(000)	0	0	0	0	00	$\frac{00}{2\overline{2}}$		
$\frac{0}{1}$	(000)	0	0	1	0	$\frac{00}{1\overline{1}}$	$\frac{22}{1\overline{1}}$		
	(000)								
	1	67.505 2 ⁰⁰¹	Cm'm'a	Classificatio	$\frac{\ln = \mathbb{Z} \times \mathbb{Z}}{2^{100}*}$	$X_{\rm BS} =$	$\mathbb{Z}_{2,2}$ SI =	$=z_{2P,3},z_{2P}'$	
$\mathbb{Z}_{2,2}$	weak	$^{2}0\frac{1}{2}0$	$2^{010}_{0\frac{1}{2}0}*$	i					
00	(002)	0	0	0	0				
00	(000)	0	0	0	0				
01	(000)	0	1	1	1				
10	(001)	0	0	0	0				
11	(001)	0	1	1	1				
		67.506	Cmm'a'	Classification	$\mathbf{n} = \mathbb{Z}_M \times$	\mathbb{Z} X_{BS} =	$=\mathbb{Z}_{2,2}$ SI $=$	$=z_{2P,2},z'_{2P}$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{0\frac{1}{2}0}*$	$2^{010}_{0\frac{1}{2}0}*$	i	2^{100}	$Cm_{(2)}^{100}$			
00	$(2\overline{2}0)$	0	0	0	0	22			
00	(000)	0	0	0	0	$2\overline{2}$			
00	(000)	0	0	0	0	$2\overline{2}$			
01	(000)	1	1	1	0	11			
10	$(1\overline{1}0)$	0	0	0	0	11			
11	$(1\overline{10})$	1	1	1	0	20			
	ı ` /	67	508 C r	nma Classifi	ication = 7	\mathbb{Z}^2 , $\mathbb{X}_{\mathbb{R}^2}$	$=\mathbb{Z}_2$ SI =	= 2' p	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{2_{0\frac{1}{2}0}^{001}}{2_{0\frac{1}{2}0}^{001}}$	$\frac{2^{010}_{0\frac{1}{2}0}$	$\frac{i}{i}$	$\frac{2M}{2^{100}}$	$\frac{-22}{Cm_{(2)}^{010}}$	$\frac{-z_{2P}}{Cm_{(2)}^{100}}$	
	.,, con	(+100 2 J **	$-0\frac{1}{2}0$	$-0\frac{1}{2}0$			<i>□ …</i> (2)	C(2)	

0	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}$	
0	(000)	0	0	0	0	0	$2\overline{2}$	00	
0	(000)	0	0	0	0	0	00	$2\overline{2}$	
1	(000)	1	0	0	1	0	$1\overline{1}$	11	
		67.	$509 C_a m$	ma Class	ification =	\mathbb{Z}_M^2 X_{BS}	$=\mathbb{Z}_2$ SI $=$	z_{2P}'	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{0\frac{1}{2}0}$	$2^{100}_{0\frac{1}{2}0}*$	$i_{0\frac{1}{2}0}*$	2010*	$Cm_{(2)}^{010}$	$Cm_{(2)}^{100}$	
0	(000)	0	0	0	0	0	$\frac{(z)}{2\overline{2}}$	$\frac{2\overline{2}}{2}$	
0	(000)	0	0	0	0	0	$2\overline{2}$	00	
0	(000)	0	0	0	0	0	00	$2\overline{2}$	
1	(000)	1	0	1	0	1	$1\overline{1}$	$1\overline{1}$	
		67.	$510 C_A n$	nma Class	ification =	\mathbb{Z}^2_{M} X _{BS}	$S = \mathbb{Z}_2$ $SI =$	z'_{0D}	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{2^{001}_{0\frac{1}{2}0}*}{2^{001}_{0\frac{1}{2}0}}$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	$i_{0\frac{1}{2}\frac{1}{2}}*$	$\frac{{M}}{2_{00\frac{1}{2}}^{010}}$	$Cm_{(2)}^{001}$	$Cm_{(2)}^{100}$	
0	(000)	0	$0\frac{1}{2}0$	$0\frac{1}{2}\frac{1}{2}$	0	$00\frac{1}{2}$	$\frac{2\overline{200}}{2\overline{200}}$	$\frac{2\overline{2}}{2\overline{2}}$	
0	(000)	0	0	0	0	0	$\frac{2\overline{200}}{2\overline{200}}$	00	
0	(000)	0	0	0	0	0	0000	$\frac{\overline{22}}{2}$	
1	(000)	1	1	1	0	0	$\frac{1\overline{1}00}{1}$	$\frac{22}{11}$	
	(000)				$\overline{\text{ication}} = \overline{\mathbb{Z}}$		$=\mathbb{Z}_2$ SI $=z_2'$		
$\overline{\mathbb{Z}_2}$	weak			$\frac{ca}{i}$		a_2 $\Lambda_{\rm BS} =$	$= \mathbb{Z}_2$ $\mathfrak{S}_1 = \mathbb{Z}_2$	P	
		$2^{001}_{0\frac{1}{2}0}$	$2^{010}_{00\frac{1}{2}}$		$2^{100}_{0\frac{1}{2}\frac{1}{2}}$				
0	(000)	0	0	0	0				
1	(000)	0	0	1	0				
		68.515	Cc'c'a C	lassification		$X_{BS} = \mathbb{Z}$	$\mathbf{Z}_{2,2}$ $\mathbf{SI} = z'_{2I}$	$z_{2,68.515}$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{0\frac{1}{2}0}$	$2^{010}_{00\frac{1}{2}}*$	i	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$				
00	(000)	0	0	0	0				
00	(004)	0	0	0	0				
01	(002)	0	1	0	1				
10	(000)	0	1	1	1				
11	(002)	0	0	1	0				
		68.516		Classification		$_2$ $X_{BS} =$	$\mathbb{Z}_{2,2}$ $\operatorname{SI} = z_2$	$z_{2P,2}, z_{2P}'$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{0\frac{1}{2}0}*$	$2^{010}_{00\frac{1}{2}}*$	i	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$				
00	$(2\overline{2}0)$	0	0	0	0				
00	(000)	0	0	0	0				
01	(000)	1	1	1	0				
10	$(1\overline{1}0)$	0	0	0	0				
11	$(1\overline{1}0)$	1	1	1	0				
		6	8.518 C_c	cca Classi:	fication = 2	\mathbb{Z}_2 \mathbb{X}_{BS} =	$=\mathbb{Z}_2$ SI $=z_2'$	2 <i>P</i>	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$2^{001}_{0\frac{1}{2}0}$	$2^{100}_{0\frac{1}{2}0}*$	i	2010*			
0	(000)	0	0	0	0	0			
1	(000)	1	0	1	1	1			
		6	8.519 C _a	cca Classi	fication = 7	\mathbb{Z}_2 \mathbb{X}_{RS} =	$=\mathbb{Z}_2$ SI $=z_2^2$	ı D D	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{2^{001}_{0\frac{1}{2}0}}{2^{01}_{0\frac{1}{2}0}}$	$\frac{2^{010}_{0\frac{1}{2}\frac{1}{2}}}{2^{010}_{0\frac{1}{2}\frac{1}{2}}}$	$i_{0\frac{1}{2}0}*$	$\frac{2^{100}_{00\frac{1}{2}}*}{2^{100}_{00\frac{1}{2}}}$		4 <i>F</i>	
0	(000)	0	0	$0\frac{1}{2}\frac{1}{2}$	$0^{\frac{1}{2}0}$	00 ½			
1	(000)	1	0	1	0	1			
	(000)		$8.520 C_A$	aga Classi	fication = 2	7. V	$=\mathbb{Z}_2$ SI $=z$,	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2},\frac{1}{2},\frac{1}{2}\}*$	$\frac{2_{0\frac{1}{2}0}^{001}}{2_{0\frac{1}{2}0}^{001}}$	$\frac{cca}{2^{010}_{00\frac{1}{2}}}$		$\frac{\omega_2}{2}$ $\frac{\Lambda_{\rm BS}}{2}$	$-\omega_2$ or $-z_1$	2 <i>P</i>	
					$i_{0\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$			
$\frac{0}{1}$	(000)	0 1	0	0	0	0			
	(000)						FII CT		
F77		$\frac{69.}{2^{001}}$	$521 Fm^{2}$		ification =	X_{M} X_{BS}	$=\mathbb{Z}_4$ $SI=$	z'_{4P}	
\mathbb{Z}_4	weak		2^{010}	$\frac{i}{2}$	2^{100}	$Cm_{(2)}^{001}$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{100}$	
0	(000)	0	0	0	0	44	$\frac{44}{\overline{2}}$	$\frac{44}{20}$	
0	(000)	0	0	0	0	00	$\overline{2}2$	$\frac{\overline{2}2}{\overline{2}2}$	
0	(000)	0	0	0	0	$\overline{2}2$	00	$\overline{2}2$	

0	(000)	0	0	0	0	$\overline{2}2$	$\overline{2}2$	00		
3	(000)	0	0	1	0	$1\overline{1}$	$1\overline{1}$	11		
2	(000)	0	0	0	0	$2\overline{2}$	$2\overline{2}$	$2\overline{2}$		
1	(000)	0	0	1	0	$3\overline{3}$	$3\overline{3}$	$3\overline{3}$		
		69.524	Fm'm'm	Classificati	$ion = \mathbb{Z}_M$	$ imes \mathbb{Z}$ X_{BS} =	$=\mathbb{Z}_{2,2}$ $\mathrm{SI}=2$	$z_{2P,2}, z'_{2P}$		
$\mathbb{Z}_{2,2}$	weak	2^{001}	$2^{010}*$	i	$2^{100}*$	$Cm_{(2)}^{001}$	$=\mathbb{Z}_{2,2}$ $\mathrm{SI}=2$			
00	$(\overline{220})$	0	0	0	0	22				
00	(000)	0	0	0	0	$2\overline{2}$				
00	(000)	0	0	0	0	$2\overline{2}$				
01	(000)	0	1	1	1	11				
10	$(\overline{110})$	0	0	0	0	11				
11	$(\overline{110})$	0	1	1	1	20				
		69.	$\frac{526}{5001}$ F_Sm_s	mm Class		\mathbb{Z}_M^3 X_{BS}	$=\mathbb{Z}_4$ SI $=$ 2	z'_{4P}	001	
\mathbb{Z}_4	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	2^{001}	2^{010}	i	2^{100}	$Cm_{\underline{(2)}}^{100}$	$Cm_{\underline{(2)}}^{010}$	$Cm^{001}_{\underline{(2)}}$	
0	(000)	0	0	0	0	0	44	$\frac{4\overline{4}}{\overline{4}}$	44	
0	(000)	0	0	0	0	0	00	$\overline{2}2$	$\overline{2}2$	
0	(000)	0	0	0	0	0	$\frac{\overline{2}2}{\overline{2}0}$	00	$\overline{2}2$	
$\frac{0}{3}$	(000)	0 1	0	0	0	0	$\frac{\overline{2}2}{1\overline{1}}$	$\frac{\overline{2}2}{1\overline{1}}$	00 11	
$\frac{3}{2}$	(000)	0	0	0	0	0	$\frac{11}{2\overline{2}}$	$\frac{11}{2\overline{2}}$	$\frac{11}{2\overline{2}}$	
$\frac{2}{1}$	(000)	1	0	0	1	0	$\frac{22}{3\overline{3}}$	$\frac{22}{3\overline{3}}$	$\frac{22}{3\overline{3}}$	
	(000)				fication = 1					
$\overline{\mathbb{Z}_2}$	weak			$\frac{aaa}{i}$ Classii		\mathbb{Z}_2 $\Lambda_{\mathrm{BS}} =$	\mathbb{Z}_2 SI = z'_{2l}	D		
		$2^{001}_{\frac{1}{4}\frac{1}{4}0}$	$2^{010}_{\frac{1}{4}0\frac{1}{4}}$		$2^{100}_{0\frac{1}{4}\frac{1}{4}}$					
	(000)	0	0	0	0					
1	(000)	0	0	1	0	F7 37	ET CIT	,		
	1		$\frac{30 Fd'd}{2010}$		$\frac{\text{cation} = \mathbb{Z}}{2100}$	$\times \mathbb{Z}_2$ X_{BS}	$S = \mathbb{Z}_2$ $SI =$	z'_{2P}		
\mathbb{Z}_2	weak	$2^{001}_{rac{1}{4}rac{1}{4}0}$	$2^{010}_{\frac{1}{4}0\frac{1}{4}}*$	i	$2^{100}_{0\frac{1}{4}\frac{1}{4}}*$					
0	(000)	0	0	0	0					
	(220)	0	1	0	<u>l</u>					
I	(000)	0	1	1	1					
			$0.532 F_S$	ddd Classi	fication =	\mathbb{Z}_2 $X_{BS} =$	$=\mathbb{Z}_2$ $\operatorname{SI}=z_2'$	P		
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}_{\frac{1}{4}\frac{1}{4}0}$	$2^{010}_{rac{1}{4}0rac{1}{4}}$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{0\frac{1}{4}\frac{1}{4}}$				
0	(000)	0	0	0	0	0				
1	(000)	1	0	0	0	0				
		71	.533 Im		fication =	\mathbb{Z}_M^3 X_{BS}	$=\mathbb{Z}_4$ SI $=z$	1 4P		
\mathbb{Z}_4	weak	2^{001}	2^{010}	i	2^{100}	$Cm_{(2)}^{001}$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{100}$		
0	(000)	0	0	0	0	$4\overline{4}$	$4\overline{4}$	$\frac{4\overline{4}}{\overline{3}}$		
0	(000)	0	0	0	0	00	$\overline{2}2$	$\frac{\overline{2}2}{\overline{2}2}$		
0	(000)	0	0	0	0	$\frac{\overline{2}2}{\overline{2}2}$	00	$\frac{\overline{2}2}{00}$		
0	(000)	0	0	0	0	$\frac{\overline{2}2}{1\overline{1}}$	$\frac{\overline{2}2}{1\overline{1}}$	00		
$\frac{3}{2}$	(000)	0	0	$\frac{1}{0}$	0	$\frac{11}{2\overline{2}}$	$\frac{11}{2\overline{2}}$	$\frac{11}{2\overline{2}}$		
$\frac{2}{1}$	(000)	0	0	0 1	0	$\frac{22}{3\overline{3}}$	$\frac{22}{3\overline{3}}$	$\frac{22}{3\overline{3}}$		
	(000)		$\frac{0}{Im'm'm}$							
77 -	weak	$\frac{71.536}{2^{001}}$	$\frac{1m'm'm}{2^{010}*}$	Classification	$\frac{\text{on} = \mathbb{Z}_M}{2^{100}} *$	$\kappa \perp \Delta \Lambda_{BS} = \frac{C_m 001}{C_m}$	$=\mathbb{Z}_{2,2}$ $\mathrm{SI}=2$	$z_{2P,2}, z_{2P}$		
$\frac{\mathbb{Z}_{2,2}}{00}$	$(22\overline{2})$	0	0	$\frac{\imath}{0}$	0	$Cm_{(2)}^{001}$ 22				
00	(000)	0	0	0	0	$\frac{22}{2\overline{2}}$				
00	(000)	0	0	0	0	$\frac{22}{2\overline{2}}$				
01	(000)	0	1	1	1	$\frac{22}{1\overline{1}}$				
10	$(11\overline{1})$	0	0	0	0	11				
11	$(11\overline{1})$	0	1	1	1	20				
	(/						$=\mathbb{Z}_4$ SI $=z$,/		
		11.	550 1 _C 111	01435.		ω _M ΛΒS	· 24 DI — 2	'4 <i>P</i>		

\mathbb{Z}_4	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	2^{001}	2^{010}	i	2^{100}	$Cm_{(2)}^{010}$	$Cm_{(2)}^{001}$	$Cm_{(2)}^{100}$	
0	(000)	0	0	0	0	0	$\frac{(2)}{44}$	$\frac{(2)}{44}$	$\frac{(2)}{44}$	
0	(000)	0	0	0	0	0	00	$\overline{2}2$	$\overline{2}2$	
0	(000)	0	0	0	0	0	$\overline{2}2$	00	$\overline{2}2$	
0	(000)	0	0	0	0	0	$\overline{2}2$	22	00	
3	(000)	1	0	0	1	0	$1\overline{1}$	1 <u>1</u>	1 <u>1</u>	
2	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}$	$2\overline{2}$	
1	(000)	1	0	0	1	0	33	33	33	
	, ,	7:		bam Classifi	$cation = \mathbb{Z}$	$_{M}$ $X_{BS} =$	$=\mathbb{Z}_2$ $\mathrm{SI}=$	z'_{2P}		
\mathbb{Z}_2	weak	2^{001}	$2_{00\frac{1}{2}}^{010}$	i	$2^{100}_{00\frac{1}{2}}$	$Cm_{(2)}^{001}$				
0	(000)	0	0	0	0	$\overline{2\overline{2}}$				
0	(000)	0	0	0	0	$2\overline{2}$				
1	(000)	0	0	1	0	11				
		72.543	Ib'a'm	Classification	$\mathbf{n} = \mathbb{Z}_M \times \mathbb{Z}_M$	\mathbb{Z} $X_{BS} =$	$\mathbb{Z}_{2,2}$ SI =	z_{2P2}, z'_{2P}		
$\mathbb{Z}_{2,2}$	weak	2^{001}	$2^{010}_{00\frac{1}{2}}*$	i	$2^{100}_{00\frac{1}{2}}*$	$Cm_{(2)}^{001}$	2,2	21,27 2F		
00	$(\overline{22}2)$	0	$00\frac{1}{2}$	0	$00\frac{1}{2}$	22				
00	(000)	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$				
00	(000)	0	0	0	0	$\frac{22}{2\overline{2}}$				
01	(000)	0	1	1	1	$\frac{22}{1\overline{1}}$				
10	$(\overline{111})$	0	1	0	1	11				
11	$(\overline{111})$	0	0	1	0	20				
	(111)	72.544	Iba'm'	Classification			$\mathbb{Z}_{2,2}$ SI =	~ ~'		
$\mathbb{Z}_{2,2}$	weak	2 ⁰⁰¹ *		i		$_{2}$ $\Lambda_{\mathrm{BS}}=$	$\mathbb{Z}_{2,2}$ $\mathfrak{S}_{1} =$	$z_{2P,2}, z_{2P}$		
			$2^{010}_{00\frac{1}{2}}*$		$2^{100}_{00\frac{1}{2}}$					
00	$(2\overline{22})$	0	0	0	0					
00	(000)	0	0	0	0					
01	(000)	1	1	1	0					
10	$(1\overline{11})$	0	0	0	0					
11	$(1\overline{11})$	1	1	1	0					
			$\frac{2.546}{2.001}I_{c}$	bam Classif			$=\mathbb{Z}_2$ SI $=$	z'_{2P}		
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	2^{001}	$2^{010}*$	i	$2^{100}*$	$Cm^{001}_{\underline{(2)}}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
1	(000)	1	0	1	1	1	$1\overline{1}$			
		72	$2.547 I_b$	bam Classif	ication = \mathbb{Z}	$Z_M = X_{BS} =$	$=\mathbb{Z}_2$ $SI =$	z_{2P}'		
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}_{\frac{1}{2}00}*$	$2^{100}_{\frac{1}{2}00}*$	i	2^{001}	$Cm_{(2)}^{001}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
1	(000)	1	1	1	1	0	$1\overline{1}$			
		,		bca Classifi	$cation = \mathbb{Z}$	$_2$ $X_{BS} =$	\mathbb{Z}_2 SI = z) 2.P		
\mathbb{Z}_2	weak	$2^{001}_{0\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}00}$	i	$2^{100}_{00\frac{1}{2}}$					
0	(000)	$0^{\frac{1}{2}0}$	$\frac{\frac{1}{2}00}{0}$	0	$00_{\overline{2}}$					
	(000)	0	0	1	0					
1	(000)									
1	(000)		Ih'c'a	Classification	$n - \mathbb{Z} \vee \mathbb{Z}_{-}$	$X_{EG} - '$	$\mathbb{Z}_{2,2}$ $\operatorname{SI} = 2$	70D0 7		
	, ,	73.551	$\frac{Ib'c'a}{2^{010}}*$	Classification		$X_{BS} = Z$	$\mathbb{Z}_{2,2}$ SI = 2	$z_{2P,2}, z_{2P}'$		
$\mathbb{Z}_{2,2}$	weak	$\begin{array}{c} 73.551 \\ 2^{001}_{0\frac{1}{2}0} \end{array}$	$2^{010}_{\frac{1}{2}00}*$	i	$2^{100}_{00\frac{1}{2}}*$	$ m X_{BS} = 2$	$\mathbb{Z}_{2,2}$ SI = 2	$z_{2P,2}, z_{2P}'$		
$\frac{\mathbb{Z}_{2,2}}{00}$	$\frac{\text{weak}}{(\overline{222})}$	$ \begin{array}{r} 73.551 \\ 2_{0\frac{1}{2}0}^{001} \\ 0 \end{array} $	$\begin{array}{c} 2^{010}_{\frac{1}{2}00} * \\ 0 \end{array}$	$i \\ 0$	$2^{100}_{00\frac{1}{2}}*$	$X_{BS} = Z$	$\mathbb{Z}_{2,2}$ SI = 2	$z_{2P,2}, z'_{2P}$		
$ \begin{array}{c c} \mathbb{Z}_{2,2} \\ \hline 00 \\ 00 \end{array} $	weak (222) (000)	$ \begin{array}{c} 73.551 \\ 2_{0\frac{1}{2}0}^{001} \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 2^{010}_{\frac{1}{2}00} * \\ 0 \\ 0 \\ \end{array}$	<i>i</i> 0 0	$\begin{array}{c} 2^{100}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ \end{array}$	$X_{\rm BS} = Z$	$\mathbb{Z}_{2,2}$ SI = 2	$z_{2P,2}, z_{2P}'$		
$ \begin{array}{c c} & \mathbb{Z}_{2,2} \\ & 00 \\ & 00 \\ \hline & 01 \end{array} $	weak (222) (000) (000)	$ \begin{array}{r} 73.551 \\ 2_{0\frac{1}{2}0}^{001} \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 2^{010}_{\frac{1}{2}00} * \\ 0 \\ 0 \\ 1 \end{array} $	<i>i</i> 0 0 1	$ \begin{array}{c} 2_{00\frac{1}{2}}^{100} * \\ 0 \\ 0 \\ 1 \end{array} $	$X_{BS} = Z$	$\mathbb{Z}_{2,2}$ SI = 2	$z_{2P,2}, z_{2P}'$		
$ \begin{array}{c c} & \mathbb{Z}_{2,2} \\ \hline 00 \\ 00 \\ 01 \\ \hline 10 \end{array} $	weak (222) (000) (000) (111)	$ \begin{array}{c} 73.551 \\ 2_{0\frac{1}{2}0}^{001} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 2^{010}_{\frac{1}{2}00} * \\ 0 \\ 0 \\ 1 \\ 0 \end{array} $	i 0 0 1 0	$ \begin{array}{c} 2_{00\frac{1}{2}}^{100} * \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $	$ m X_{BS} = 2$	$\mathbb{Z}_{2,2}$ SI = 2	$z_{2P,2}, z_{2P}'$		
$ \begin{array}{c c} & \mathbb{Z}_{2,2} \\ & 00 \\ & 00 \\ \hline & 01 \end{array} $	weak (222) (000) (000)	$\begin{array}{c} 73.551 \\ 2001 \\ 0\frac{1}{2}0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} 2^{010}_{\frac{1}{2}00}* \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $	i 0 0 1 0 1	$ \begin{array}{c} 2_{00\frac{1}{2}}^{100} * \\ 0 \\ 0 \\ 1 \\ 1 \\ 0 \end{array} $					
$ \begin{array}{c c} \mathbb{Z}_{2,2} \\ 00 \\ 00 \\ 01 \\ 10 \\ 11 \end{array} $	weak (222) (000) (000) (111) (111)	73.551 2001 2001 0 0 0 0 0 0 7	$ \begin{array}{c} 2_{\frac{1}{2}00}^{010} * \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $ 73.553 I	i 0 0 1 0 1 1 $cbca$ Classif.	$ \begin{array}{c} 2_{00\frac{1}{2}}^{100} * \\ 0 \\ 0 \\ 1 \\ 1 \\ 0 \end{array} $ ication = \mathbb{Z}	$ ilde{Z}_{2} ext{X}_{ ext{BS}} =$	$\mathbb{Z}_{2,2}$ $\mathrm{SI}=z$			
$ \begin{array}{c c} & \mathbb{Z}_{2,2} \\ \hline 00 \\ 00 \\ 01 \\ \hline 10 \end{array} $	weak (222) (000) (000) (111)	$\begin{array}{c} 73.551 \\ 2001 \\ 0\frac{1}{2}0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} 2^{010}_{\frac{1}{2}00}* \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $	i 0 0 1 0 1	$ \begin{array}{c} 2_{00\frac{1}{2}}^{100} * \\ 0 \\ 0 \\ 1 \\ 1 \\ 0 \end{array} $					

1	(000)	1	0	1	1	1			
		74	1.554 Im	ma Classi	fication =	\mathbb{Z}_M^2 $X_{BS} =$	$=\mathbb{Z}_2$ $\mathrm{SI}=$	z'_{2P}	
\mathbb{Z}_2	weak	$2^{001}_{0\frac{1}{2}0}$	$2^{010}_{0\frac{1}{2}0}$	i	2^{100}	$Cm_{(2)}^{010}$	$Cm_{(2)}^{100}$	21	
0	(000)	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	$\frac{2\overline{2}}{2\overline{2}}$		
0	(000)	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	00		
$\frac{}{}$	(000)	0	0	0	0	00	$\frac{\overline{00}}{2\overline{2}}$		
1	(000)	0	0	1	0	$\frac{00}{1\overline{1}}$	$\frac{22}{11}$		
	(000)							,	
	1_	74.558	Im'm'a	Classificati	$\frac{\text{on} = \mathbb{Z} \times 1}{2^{100}} *$	\mathbb{Z}_2 $\Lambda_{\mathrm{BS}} =$	$\mathbb{Z}_{2,2}$ SI =	$z_{2P,2}, z_{2P}$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{0\frac{1}{2}0}$	$2^{010}_{0\frac{1}{2}0}*$						
00	$(22\overline{2})$	0	0	0	0				
00	(000)	0	0	0	0				
01	(000)	0	1	1	1				
10	$(11\overline{1})$	0	0	0	0				
11	$(11\overline{1})$	0	1	1	1				
		74.559	Imm'a'	Classification	$\operatorname{on} = \mathbb{Z}_M $		$\mathbb{Z}_{2,2}$ SI =	$z_{2P,2}, z'_{2P}$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{0\frac{1}{2}0}*$	$2^{010}_{0\frac{1}{2}0}*$	i	2^{100}	$Cm_{(2)}^{100}$			
00	$(2\overline{22})$	0	0	0	0	22			
00	(000)	0	0	0	0	$2\overline{2}$			
00	(000)	0	0	0	0	$2\overline{2}$			
01	(000)	1	1	1	0	11			
10	(111)	0	0	0	0	11			
11	(111)	1	1	1	0	20			
		74	1.561 I_cm	ma Classi	fication =	\mathbb{Z}^2 Xpc :	$=\mathbb{Z}_2$ SI $=$	2' D	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{2_{0\frac{1}{2}0}^{001}}{2_{0\frac{1}{2}0}^{001}}$	$\frac{2^{010}_{\frac{1}{2}00}*}{2^{010}_{\frac{1}{2}00}}$	$i_{00\frac{1}{2}}*$	$\frac{2_{M}^{1100}}{2_{00\frac{1}{2}}^{100}}*$	$Cm_{(2)}^{010}$	$\frac{\sim_{2}P}{Cm_{(2)}^{100}}$	
	(000)			$\frac{2\frac{1}{2}00}{0}$	$\frac{00\frac{1}{2}}{0}$		$\frac{2\overline{2}}{2\overline{2}}$	$\frac{2\overline{2}}{2\overline{2}}$	
0	(000)	0	0		0	0	$\frac{22}{2\overline{2}}$		
0	(000)	0	0	0	0	0	00	$\frac{00}{2\overline{2}}$	
1	(000)	1	0	1	0	1	1 <u>1</u>	1 <u>1</u>	
	(000)								
	1		$\frac{562}{$	ma Classi		\mathbb{Z}_M^2 $X_{\text{BS}} =$	$=\mathbb{Z}_2$ SI $=$	z'_{2P}	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}*$	$2^{100}_{0\frac{1}{2}0}*$	$i_{0\frac{1}{2}0}*$	$2^{001}_{0\frac{1}{2}0}$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	
0	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}$	
0	(000)	0	0	0	0	0	$2\overline{2}$	00	
0	(000)	0	0	0	0	0	00	$2\overline{2}$	
1	(000)	1	1	1	0	0	$1\overline{1}$	$1\overline{1}$	
			75.1 P	4 Classific	$\operatorname{cation} = \mathbb{Z}$	$X_{BS} = \mathbb{Z}_4$	$SI = z_{4C}$		
\mathbb{Z}_4	weak	4^{001}							
0	$(00\overline{4})$	0				· · · · · · · · · · · · · · · · · · ·			
3	$(00\overline{1})$	0						· · · · · · · · · · · · · · · · · · ·	
2	$(00\bar{2})$	0							
1	$(00\overline{3})$	0							
				Classifica	$tion = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{4C}$	/2	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	4^{001}						
0	(000)	1	0						
			77.13 P4	2 Classific	$\operatorname{ation} = \mathbb{Z}$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{4C}$	/2	
$\overline{\mathbb{Z}_2}$	weak	$4_{00\frac{1}{2}}^{001}$				Do -2	7-40	•	
$\frac{-2}{0}$	$(00\overline{4})$	$\frac{-00\frac{1}{2}}{2}$							
1	(004) $(00\overline{2})$	$\frac{2}{1}$							
	(002)		717 D 4	C1 ·C		V 77	' CT	/0	
	1			2 Classific	$\operatorname{ration} = \mathbb{Z}$	$X_{BS} = \mathbb{Z}$	z_2 $z_1 = z_4$	7/2	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4_{00\frac{1}{2}}^{001}$						
0	(000)	1	0						
			79.25 I4	Classifica	$ation = \mathbb{Z}$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{4C}/$	2	

\mathbb{Z}_2	weak	4^{001}						
$\frac{2}{0}$	$(22\overline{2})$	0						
	· /							
1	$(11\overline{1})$	0						
		81.33 P	4 Classif	$ication = \mathbb{Z}$	$\times \mathbb{Z}_2$ X	$\mathbb{Z}_{\mathrm{BS}} = \mathbb{Z}_{2.2.4}$	$SI = z_{2,Weyl}, z_{2,S_4}, z_{4C}$	
$\mathbb{Z}_{2,2,4}$	weak	$\bar{4}^{001}$	$\bar{4}^{00\bar{1}}$, ,	7	
000	(000)	0	0					
000	(004)	0	0					
	\ /							
001	(001)	0	0					
002	(002)	0	0					
003	(003)	0	0					
010	(000)	1	1					
011	(001)	1	1					
012	(002)	1	1					
013	(003)	1	1					
	/		$81.36 P_{c}$	4 Classifica	tion - 7	. V	$SI = z_{2,S_4}$	
	1				ition = Z	$ \Lambda_{\rm BS} = \mathbb{Z}_2 $	$S1 = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$\bar{4}^{001}$	$\bar{4}^{00\bar{1}}$				
0	(000)	0	0	0				
1	(000)	1	1	1				
		81.3	$7 P_C ar{4}$ (Classification	$n = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_{2,2}$	$SI = z_{2,S_4}, z_{4C}/2$	
$\mathbb{Z}_{2,2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{1}{4^{001}}$	$\bar{4}^{001}$		20 2,2	=,04, 10,	
00	(000)	$\frac{(1+220)^{4}}{0}$	0	0				
10	(000)	1	1	1				
10	(000)		*			7 77 77	QT.	
			$81.38 P_{I}$		$ation = \mathbb{Z}$	$X_{\rm BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\bar{4}^{001}$	$\bar{4}^{001}$				
0	(000)	0	0	0				
1	(000)	1	1	1				
		$82.39 I\bar{4}$	Classific	$ation = \mathbb{Z} \times$	\mathbb{Z}_2 X_B	$a_{S} = \mathbb{Z}_{2,2,2}$ Si	$I = z_{2,\text{Weyl}}, z_{2,S_4}, z_{4C}/2$	
7,222	weak	$\bar{4}^{001}$	$\bar{4}^{00\bar{1}}$, ,	, , , , , , , , , , , , , , , , , , , ,	
$\frac{\mathbb{Z}_{2,2,2}}{000}$	weak	$\bar{4}^{001}$	$\bar{4}^{00\bar{1}}$, ,	, , , ,	
000	(000)	0	$\frac{\bar{4}^{00\bar{1}}}{0}$, ,	, , , , , , ,	
000	$ \begin{array}{c} (000) \\ (22\overline{2}) \end{array} $	0	$\frac{4^{00\overline{1}}}{0}$			- , ,	, , , , , , , , , , , , , , , , , , , ,	
$ \begin{array}{r} 000 \\ \hline 000 \\ \hline 001 \end{array} $	(000) $(22\overline{2})$ $(11\overline{1})$	0 0 0				, ,	, , , , , , ,	
000 000 001 010	$ \begin{array}{c} (000) \\ (22\overline{2}) \\ (11\overline{1}) \\ (000) \end{array} $	0 0 0 1				- 11	, , , , , , ,	
$ \begin{array}{r} 000 \\ \hline 000 \\ \hline 001 \end{array} $	(000) $(22\overline{2})$ $(11\overline{1})$	0 0 0					, , , , , , , , , , , , , , , , , , , ,	
000 000 001 010	$ \begin{array}{c} (000) \\ (22\overline{2}) \\ (11\overline{1}) \\ (000) \end{array} $	0 0 0 1 1	$ \begin{array}{c c} \hline 4001 \\ 0 \\ 0 \\ $					
000 000 001 010 011	$ \begin{array}{c} (000) \\ (22\overline{2}) \\ (11\overline{1}) \\ (000) \\ (11\overline{1}) \end{array} $	0 0 0 1 1	$ \begin{array}{c c} \hline $			$X_{ m BS} = \mathbb{Z}_2$		
$ \begin{array}{c} 000 \\ 000 \\ 001 \\ 010 \\ 011 \end{array} $	(000) (222) (111) (000) (111) weak	0 0 0 1 1	$ \begin{array}{c c} \hline $	$\overline{4}$ Classifica $\overline{4}^{001}$				
$ \begin{array}{c} 000 \\ 000 \\ 001 \\ 010 \\ 011 \end{array} $ $ \begin{array}{c} \mathbb{Z}_2 \\ 0 \end{array} $	(000) (222) (111) (000) (111) weak (000)	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \{1 \frac{1}{2}\frac{1}{2}0\}* $	$ \begin{array}{c c} \hline $	$ \begin{array}{c} 4 \text{Classifica} \\ \hline 4^{001} \\ 0 \end{array} $				
$ \begin{array}{c} 000 \\ 000 \\ 001 \\ 010 \\ 011 \end{array} $	(000) (222) (111) (000) (111) weak	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \frac{1}{1} \frac{1}{2} \frac{1}{2} 0 \} * $ $ 0 \\ 1 $	$ \begin{array}{c c} \hline 4001 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ \hline 82.42 I_{c^2} \\ \hline 4001 \\ 0 \\ 1 \end{array} $	$\begin{array}{c} \overline{4} & \text{Classifica} \\ \overline{4}^{001} & 0 \\ \hline & 1 \end{array}$	$ ext{tion} = \mathbb{Z}$	$_{2}$ $X_{\mathrm{BS}}=\mathbb{Z}_{2}$	$SI = z_{2,S_4}$	
$ \begin{array}{c} 000 \\ 000 \\ 001 \\ 010 \\ 011 \end{array} $ $ \begin{array}{c} \mathbb{Z}_2 \\ 0 \\ 1 \end{array} $	(000) (222) (111) (000) (111) weak (000) (000)	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \frac{\{1 \frac{1}{2}\frac{1}{2}0\}*}{0} \\ 0 \\ 1 $ $ 83.43 P4/7 $		$ \frac{4 \text{Classifica}}{4^{001}} $ $ 0 $ $ 1 $ $ \text{fication} = \mathbb{Z}^{i} $	$ ext{tion} = \mathbb{Z}$	$_{2}$ $X_{\mathrm{BS}}=\mathbb{Z}_{2}$	$SI = z_{2,S_4}$	
$ \begin{array}{c} 000 \\ 000 \\ 001 \\ 010 \\ 011 \end{array} $ $ \begin{array}{c} \mathbb{Z}_2 \\ 0 \\ 1 \end{array} $	(000) (222) (111) (000) (111) weak (000) (000)	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \frac{1}{1} \frac{1}{2} \frac{1}{2} 0 \} * $ $ 0 \\ 1 $		$\begin{array}{c} \overline{4} & \text{Classifica} \\ \overline{4}^{001} & 0 \\ \hline & 1 \end{array}$	$ ext{tion} = \mathbb{Z}$	$X_{\rm BS} = \mathbb{Z}_2$ $X_{\rm BS} = \mathbb{Z}_2$ $X_{\rm BS} = \mathbb{Z}_{4,4,4}$ $Cm_{(4)}^{001}$	$SI = z_{2,S_4}$	
$ \begin{array}{c} 000 \\ 000 \\ 001 \\ 010 \\ 011 \end{array} $ $ \begin{array}{c} \mathbb{Z}_2 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} \mathbb{Z}_{4,4,4} \\ 000 \end{array} $	$ \begin{array}{c} (000) \\ (22\overline{2}) \\ (11\overline{1}) \\ (000) \\ (11\overline{1}) \\ \\ \hline \\ weak \\ (000) \\ \hline \\ weak \\ (00\overline{12}) \\ \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \frac{1}{1} \frac{1}{2} \frac{1}{2} 0 \right\} * 0 \\ 1 \\ 83.43 P4/n \\ 4^{001} \\ 0 $		$ \frac{\overline{4} \text{Classifica}}{\overline{4}^{001}} $ $ 0 $ $ 1 $ $ \overline{4}^{\text{fication}} = \mathbb{Z}^{\frac{1}{2}} $ $ 0 $	$\begin{array}{c} \text{ation} = \mathbb{Z} \\ \frac{2}{M} \times \mathbb{Z} \\ \overline{4}^{001} \\ 0 \end{array}$	$X_{\rm BS} = \mathbb{Z}_{4,4,4}$ $\frac{Cm_{(4)}^{001}}{4,\overline{16},0,\overline{12}}$		
$ \begin{array}{c} 000 \\ 000 \\ 001 \\ 010 \\ 011 \end{array} $ $ \begin{array}{c} \mathbb{Z}_2 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} \mathbb{Z}_{4,4,4} \\ 000 \\ 000 \end{array} $	(000) (222) (111) (000) (111) weak (000) (000) weak (0012) (004)	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \frac{1}{1} \frac{1}{2} \frac{1}{2} 0 \} * \\ 0 \\ 1 \\ 83.43 P4/n \\ 4^{001} \\ 0 \\ 0 $		$ \begin{array}{c c} \hline 4 & Classifica \\ \hline $	$\begin{array}{c} \text{ation} = \mathbb{Z} \\ \frac{2}{M} \times \mathbb{Z} \\ \overline{4}^{001} \\ 0 \\ 0 \end{array}$	$X_{\rm BS} = \mathbb{Z}_{4,4,4}$ $Cm^{001}_{(4)}$ $4,\overline{16},0,\overline{12}$ 0404	$SI = z_{2,S_4}$	
$ \begin{array}{c} 000 \\ 000 \\ 001 \\ 010 \\ 011 \end{array} $ $ \begin{array}{c} \mathbb{Z}_2 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} \mathbb{Z}_{4,4,4} \\ 000 \end{array} $	$ \begin{array}{c} (000) \\ (22\overline{2}) \\ (11\overline{1}) \\ (000) \\ (11\overline{1}) \\ \\ \hline \\ weak \\ (000) \\ \hline \\ weak \\ (00\overline{12}) \\ \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \frac{1}{1} \frac{1}{2} \frac{1}{2} 0 \right\} * 0 \\ 1 \\ 83.43 P4/n \\ 4^{001} \\ 0 $		$ \frac{\overline{4} \text{Classifica}}{\overline{4}^{001}} $ $ 0 $ $ 1 $ $ \overline{4}^{\text{fication}} = \mathbb{Z}^{\frac{1}{2}} $ $ 0 $	$\begin{array}{c} \text{ation} = \mathbb{Z} \\ \frac{2}{M} \times \mathbb{Z} \\ \overline{4}^{001} \\ 0 \end{array}$	$X_{\rm BS} = \mathbb{Z}_{4,4,4}$ $\frac{Cm_{(4)}^{001}}{4,\overline{16},0,\overline{12}}$	$SI = z_{2,S_4}$	
$ \begin{array}{c} 000 \\ 000 \\ 001 \\ 010 \\ 011 \end{array} $ $ \begin{array}{c} \mathbb{Z}_2 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} \mathbb{Z}_{4,4,4} \\ 000 \\ 000 \end{array} $	(000) (222) (111) (000) (111) weak (000) (000) weak (0012) (004)	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \frac{1}{1} \frac{1}{2} \frac{1}{2} 0 \} * \\ 0 \\ 1 \\ 83.43 P4/n \\ 4^{001} \\ 0 \\ 0 $		$ \begin{array}{c c} \hline 4 & Classifica \\ \hline $	$\begin{array}{c} \text{ation} = \mathbb{Z} \\ \frac{2}{M} \times \mathbb{Z} \\ \overline{4}^{001} \\ 0 \\ 0 \end{array}$	$X_{\rm BS} = \mathbb{Z}_{4,4,4}$ $Cm^{001}_{(4)}$ $4,\overline{16},0,\overline{12}$ 0404	$SI = z_{2,S_4}$	
$\begin{array}{c} 000 \\ 000 \\ \hline 001 \\ 010 \\ \hline 011 \\ \hline \\ \hline Z_2 \\ 0 \\ \hline 1 \\ \hline \\ \hline Z_{4,4,4} \\ 000 \\ 000 \\ 000 \\ \hline \end{array}$	(000) (222) (111) (000) (111) weak (000) (000) weak (0012) (004) (000)	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 1 \\ 2 \frac{1}{2} 0 \\ 0 \\ 1 \\ 83.43 P4/n \\ 4^{001} \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline 4001 \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 1 \\ \hline 1 \\ \hline 82.42 I_c^2 \\ \hline 4001 \\ \hline 0 \\ \hline 1 \\ \hline m Classified \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline 4 & \text{Classifica} \\ \hline \hline 4^{001} \\ \hline 0 \\ \hline 1 \\ \hline fication = \mathbb{Z}^{\frac{1}{2}} \\ \hline 4^{001} \\ \hline 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} \overline{z} \\ $	$X_{\rm BS} = \mathbb{Z}_{4,4,4}$ $X_{\rm BS} = \mathbb{Z}_{4,4,4}$ $Cm^{001}_{(4)}$ $4, 16, 0, 12$ 0404 $004\overline{4}$	$SI = z_{2,S_4}$	
$\begin{array}{c} 000 \\ 000 \\ \hline 001 \\ 010 \\ \hline 011 \\ \hline \\ \hline Z_2 \\ 0 \\ \hline 1 \\ \hline \\ \hline Z_{4,4,4} \\ 000 \\ \hline 000 \\ 000 \\ \hline 000 \\ 000 \\ \hline \end{array}$	(000) (222) (111) (000) (111) weak (000) (000) weak (0012) (004) (000)	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 1 \\ 2 \\ 2 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 83.43 P4/7 \\ 4^{001} \\ 0 \\ 0 \\ 0 \end{array} $		$ \begin{array}{c} 4 \text{Classifica} \\ \hline 4^{001} \\ 0 \\ 1 \\ \hline 6 \\ \hline 6 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\begin{array}{c} \frac{2}{2M} \times \mathbb{Z} \\ \frac{4}{4}^{001} \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$	$\begin{array}{c c} X_{\rm BS} = \mathbb{Z}_2 \\ \hline X_{\rm BS} = \mathbb{Z}_{4,4,4} \\ \hline Cm_{(4)}^{001} \\ 4, \overline{16}, 0, \overline{12} \\ \hline 0404 \\ 004\overline{4} \\ 00\overline{4}4 \\ \end{array}$	$SI = z_{2,S_4}$	
$\begin{array}{c} 000 \\ 000 \\ \hline 001 \\ 010 \\ \hline 011 \\ \hline \\ \hline Z_2 \\ 0 \\ \hline 1 \\ \hline \\ \hline Z_{4,4,4} \\ 000 \\ 000 \\ \hline 000 \\ 000 \\ \hline 001 \\ \end{array}$	(000) (222) (111) (000) (111) weak (000) (000) weak (0012) (004) (000) (000)	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 1 \\ 2 \\ 2 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 83.43 P4/7 \\ 4^{001} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $		$ \begin{array}{c} 4 \text{Classifica} \\ \hline 4 0 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 0 \\ \hline 4 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	$\begin{array}{c} \frac{2}{2} \times \mathbb{Z} \\ \frac{2}{M} \times \mathbb{Z} \\ \hline 4^{001} \\ 0 \\ 0 \\ 0 \\ 1 \end{array}$	$\begin{array}{c} X_{\rm BS} = \mathbb{Z}_2 \\ X_{\rm BS} = \mathbb{Z}_{4,4,4} \\ \underline{Cm_{(4)}^{001}} \\ 4, \overline{16}, 0, \overline{12} \\ 0404 \\ 004\overline{4} \\ 004\overline{4} \\ 001\overline{1} \end{array}$	$SI = z_{2,S_4}$	
$\begin{array}{c} 000 \\ 000 \\ \hline 001 \\ 011 \\ \hline \\ \hline Z_2 \\ 0 \\ 1 \\ \hline \\ \hline Z_{4,4,4} \\ 000 \\ 000 \\ 000 \\ 000 \\ 000 \\ 001 \\ 002 \\ 003 \\ \end{array}$	(000) (222) (111) (000) (111) weak (000) (000) (004) (000) (000) (000) (000) (000)	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 1 \\ 2 \frac{1}{2} 0 \\ 0 \\ 1 \\ 83.43 P4/x \\ 4^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	4001 0 0 0 1 1 82.42 1 0 0 1 m Classi: i 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c c} \hline 4 & Classifica \\ \hline \hline 4^{001} \\ \hline 0 \\ \hline 1 \\ \hline fication = \mathbb{Z}^{7} \\ \hline 4^{001} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \end{array} $	$\begin{array}{c} \frac{2}{2M} \times \mathbb{Z} \\ \frac{2}{4}001 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array}$	$\begin{array}{c c} X_{\rm BS} = \mathbb{Z}_2 \\ \hline X_{\rm BS} = \mathbb{Z}_{4,4,4} \\ \hline Cm^{001}_{(4)} \\ 4, \overline{16}, 0, \overline{12} \\ 0404 \\ 0044 \\ 0044 \\ 0011 \\ 0022 \\ 003\overline{3} \\ \end{array}$	$SI = z_{2,S_4}$	
$\begin{array}{c} 000 \\ 000 \\ \hline 001 \\ \hline 010 \\ \hline 011 \\ \hline \\ \hline Z_2 \\ \hline 0 \\ \hline 1 \\ \hline \\ \hline Z_{4,4,4} \\ \hline 000 \\ \hline 000 \\ \hline 000 \\ \hline 000 \\ \hline 001 \\ \hline 002 \\ \hline 003 \\ \hline 010 \\ \hline \end{array}$	(000) (222) (111) (000) (111) weak (000) (000) weak (0012) (004) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 1 \\ 2 \frac{1}{2} 0 \\ 0 \\ 1 \\ 83.43 P4/n \\ 4^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c c} \hline 4001 \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 1 \\ \hline 1 \\ \hline 82.42 I_c^2 \\ \hline 4001 \\ \hline 0 \\ 1 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{array} $	$ \begin{array}{c} 4 \text{Classifica} \\ \hline 4 0 \\ \hline 0 \\ 1 \\ \hline 6 \\ \hline 6 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $	$ \frac{2}{2M} \times \mathbb{Z} \\ \frac{2}{4} \times \mathbb{Z} \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 $	$\begin{array}{c c} X_{\rm BS} = \mathbb{Z}_2 \\ \hline X_{\rm BS} = \mathbb{Z}_{4,4,4} \\ \hline Cm^{001}_{(4)} \\ 4, \overline{16}, 0, \overline{12} \\ 0404 \\ 004\overline{4} \\ 000\overline{1} \\ 0002\overline{2} \\ 0033 \\ 0101 \\ \hline \end{array}$	$SI = z_{2,S_4}$	
$\begin{array}{c} 000 \\ 000 \\ \hline 001 \\ \hline 010 \\ \hline 011 \\ \hline \\ \hline Z_2 \\ \hline 0 \\ \hline 1 \\ \hline \\ \hline Z_{4,4,4} \\ \hline 000 \\ \hline 000 \\ \hline 000 \\ \hline 000 \\ \hline 001 \\ \hline 002 \\ \hline 003 \\ \hline 010 \\ \hline 011 \\ \hline \end{array}$	(000) (222) (111) (000) (111) weak (000) (000) weak (0012) (004) (000) (000) (000) (000) (000) (000) (001) (001)	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 1 \\ 2 \frac{1}{2} \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 83.43 P4/4 \\ 4^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	4001 0 0 0 1 1 82.42 1 0 0 1 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 4 \text{Classifica} \\ \hline 4 0 \\ \hline 0 \\ 1 \\ \hline 6 \\ \hline 6 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \end{array} $	$ \frac{2}{2M} \times \mathbb{Z} $ $ \frac{4}{4001} $ $ 0 $ $ 0 $ $ 0 $ $ 1 $ $ 0 $ $ 1 $ $ 0 $	$\begin{array}{c} Z & X_{\rm BS} = \mathbb{Z}_2 \\ \hline X_{\rm BS} = \mathbb{Z}_{4,4,4} \\ \hline Cm_{(4)}^{001} \\ \hline 4, \overline{16}, 0, \overline{12} \\ \hline 0404 \\ \hline 0044 \\ 001\overline{1} \\ 002\overline{2} \\ 003\overline{3} \\ \hline 0101 \\ 0110 \\ \end{array}$	$SI = z_{2,S_4}$	
$\begin{array}{c} 000 \\ 000 \\ 001 \\ 011 \\ \hline \\ \hline \\ Z_2 \\ 0 \\ 1 \\ \hline \\ \hline \\ Z_{4,4,4} \\ 000 \\ 000 \\ 000 \\ 000 \\ 001 \\ 002 \\ 003 \\ 010 \\ 011 \\ 012 \\ \end{array}$	(000) (222) (111) (000) (111) weak (000) (000) (001) (000) (000) (000) (000) (001) (001) (001)	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 1 \\ 2 \\ 2 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 83.43 P4/v \\ 4^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	4001 0 0 0 1 1 82.42 1 0 0 1 0 0 1 0 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	$ \begin{array}{c} 4 \text{Classifica} \\ \hline 4 0 \\ \hline 0 \\ 1 \end{array} $ $ \begin{array}{c} 0 \\ \hline 1 \\ \hline 6 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $	$ \frac{2}{M} \times \mathbb{Z} $ $ \frac{4}{4}^{001} $ $ 0 $ $ 0 $ $ 1 $ $ 1 $ $ 0 $ $ 1 $	$\begin{array}{c} X_{\rm BS} = \mathbb{Z}_2 \\ \hline X_{\rm BS} = \mathbb{Z}_{4,4,4} \\ \hline Cm_{(4)}^{001} \\ \hline 4, \overline{16}, 0, \overline{12} \\ \hline 0404 \\ 004\overline{4} \\ 001\overline{1} \\ 002\overline{2} \\ 003\overline{3} \\ 0101 \\ 0110 \\ 012\overline{1} \\ \end{array}$	$SI = z_{2,S_4}$	
$\begin{array}{c} 000 \\ 000 \\ 001 \\ 011 \\ \hline \\ \hline \\ Z_2 \\ 0 \\ 1 \\ \hline \\ Z_{4,4,4} \\ 000 \\ 000 \\ 000 \\ 000 \\ 001 \\ 002 \\ 003 \\ 010 \\ 011 \\ 012 \\ 013 \\ \end{array}$	(000) (222) (111) (000) (111) weak (000) (000) weak (0012) (004) (000) (000) (000) (000) (000) (001) (001) (001) (001)	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	4001 0 0 0 1 1 82.42 1 0 0 1 0 0 0 0 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0	$ \frac{\overline{4} \text{Classifica}}{\overline{4}^{001}} $ $ 0 $ $ 1 $ $ \overline{6} \text{fication} = \mathbb{Z}^{2} $ $ \overline{4}^{001} $ $ 0 $ $ 0 $ $ 0 $ $ 1 $ $ 0 $ $ 1 $ $ 0 $ $ 1 $ $ 0 $ $ 1 $ $ 0 $ $ 0 $	$\begin{array}{c} \frac{2}{2M} \times \mathbb{Z} \\ \frac{2}{4} \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0$	$\begin{array}{c c} X_{\rm BS} = \mathbb{Z}_2 \\ \hline X_{\rm BS} = \mathbb{Z}_{4,4,4} \\ \hline Cm^{001}_{(4)} \\ 4, \overline{16}, 0, \overline{12} \\ 0404 \\ 004\overline{4} \\ 001\overline{1} \\ 002\overline{2} \\ 003\overline{3} \\ 0101 \\ 0110 \\ 012\overline{1} \\ 013\overline{2} \\ \end{array}$	$SI = z_{2,S_4}$	
$\begin{array}{c} 000 \\ 000 \\ 001 \\ 011 \\ \hline \\ \hline \\ Z_2 \\ 0 \\ 1 \\ \hline \\ Z_{4,4,4} \\ 000 \\ 000 \\ 000 \\ 000 \\ 000 \\ 001 \\ 002 \\ 003 \\ 010 \\ 011 \\ 012 \\ 013 \\ 020 \\ \end{array}$	(000) (222) (111) (000) (111) weak (000) (000) (000) (000) (000) (000) (000) (001) (001) (001) (001) (002)	$\begin{array}{c} 0\\ 0\\ 0\\ 1\\ 1\\ 1\\ 1\\ \end{array}$	$ \begin{array}{c c} \hline 4001 \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 1 \\ \hline 1 \\ \hline 82.42 I_c^2 \\ \hline 4001 \\ \hline 0 \\ 1 \\ \hline 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline 4 & Classifica \\ \hline $	$ \frac{2}{2M} \times \mathbb{Z} \\ \frac{2}{4} \times \mathbb{Z} \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0 $	$\begin{array}{c c} X_{\rm BS} = \mathbb{Z}_2 \\ \hline X_{\rm BS} = \mathbb{Z}_{4,4,4} \\ \hline Cm^{001}_{(4)} \\ 4, \overline{16}, 0, \overline{12} \\ 0404 \\ 004\overline{4} \\ 001\overline{1} \\ 002\overline{2} \\ 003\overline{3} \\ 0101 \\ 0110 \\ 012\overline{1} \\ 0132 \\ 0202 \\ \end{array}$	$SI = z_{2,S_4}$	
$\begin{array}{c} 000 \\ 000 \\ 001 \\ 011 \\ \hline \\ \hline \\ Z_2 \\ 0 \\ 1 \\ \hline \\ Z_{4,4,4} \\ 000 \\ 000 \\ 000 \\ 000 \\ 001 \\ 002 \\ 003 \\ 010 \\ 011 \\ 012 \\ 013 \\ \end{array}$	(000) (222) (111) (000) (111) weak (000) (000) weak (0012) (004) (000) (000) (000) (000) (000) (001) (001) (001) (001)	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	4001 0 0 0 1 1 82.42 1 0 0 1 0 0 0 0 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0	$ \frac{\overline{4} \text{Classifica}}{\overline{4}^{001}} $ $ 0 $ $ 1 $ $ \overline{6} \text{fication} = \mathbb{Z}^{2} $ $ \overline{4}^{001} $ $ 0 $ $ 0 $ $ 0 $ $ 1 $ $ 0 $ $ 1 $ $ 0 $ $ 1 $ $ 0 $ $ 1 $ $ 0 $ $ 0 $	$\begin{array}{c} \frac{2}{2M} \times \mathbb{Z} \\ \frac{2}{4} \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0$	$\begin{array}{c c} X_{\rm BS} = \mathbb{Z}_2 \\ \hline X_{\rm BS} = \mathbb{Z}_{4,4,4} \\ \hline Cm^{001}_{(4)} \\ 4, \overline{16}, 0, \overline{12} \\ 0404 \\ 004\overline{4} \\ 001\overline{1} \\ 002\overline{2} \\ 003\overline{3} \\ 0101 \\ 0110 \\ 012\overline{1} \\ 013\overline{2} \\ \end{array}$	$SI = z_{2,S_4}$	

323 330	$ \begin{array}{c} (00\overline{7}) \\ (00\overline{6}) \end{array} $	0	1 1	1 1	1 1	$3, \overline{10}, 3, \overline{10}$ $3\overline{9}0\overline{6}$	
322	$(00\overline{7})$	0	0	0	0	$3, \overline{10}, 2, \overline{9}$	
321	(007)	0	1	1	1	$3,\overline{10},\overline{10},\overline{8}$	
$\frac{313}{320}$	$(00\overline{7})$	0	0	0	0	$\frac{3,11,3,11}{3,\overline{10},0,\overline{7}}$	
$\frac{312}{313}$	(008) (008)	0	0	0	0	$\frac{3,11,2,10}{3,\overline{11},3,\overline{11}}$	
$\frac{311}{312}$	$\frac{(00\overline{8})}{(00\overline{8})}$	0	0	0 1	<u>0</u> 1	$\frac{3,\overline{11},1,\overline{9}}{3,\overline{11},2,\overline{10}}$	
310	$(00\overline{8})$	0	1	1	1	$3, \overline{11}, 0, \overline{8}$	
303	$(00\overline{9})$	0	1	1	1	$3, \overline{12}, 3, \overline{12}$	
302	$(00\overline{9})$	0	0	0	0	$3, \overline{12}, 2, \overline{11}$	
301	$(00\overline{9})$	0	1	1	1	$3, \overline{12}, 1, \overline{10}$	
300	$(00\overline{9})$	0	0	0	0	$3, \overline{12}, 0, \overline{9}$	
233	$(00\overline{3})$	0	0	0	0	$2\overline{5}3\overline{6}$	
232	$(00\overline{3})$	0	1	1	1	$2\overline{5}2\overline{5}$	
231	$(00\overline{3})$	0	0	0	0	$2\overline{5}1\overline{4}$	
230	$(00\overline{3})$	0	1	1	1	$2\overline{5}0\overline{3}$	
223	$(00\overline{4})$	0	1	1	1	$2\overline{6}3\overline{7}$	
222	$(00\overline{4})$	0	0	0	0	$\frac{2\overline{6}2\overline{6}}{2\overline{6}}$	
221	$(00\overline{4})$	0	1	1	1	$\frac{2\overline{6}1\overline{5}}{2\overline{6}1\overline{5}}$	
$\frac{210}{220}$	$(00\overline{4})$	0	0	0	0	$\frac{2795}{2604}$	
$\frac{212}{213}$	$(00\overline{5})$	0	0	0	0	$\frac{2727}{2738}$	
$\frac{211}{212}$	(005) (005)	0	1	1	1	$\frac{2710}{2727}$	
$\frac{210}{211}$	(005) (005)	0	0	0	0	$\frac{2705}{2716}$	
$\frac{203}{210}$	(005)	0	1	1	1	$\frac{2639}{2705}$	
$\frac{202}{203}$	(006)	0	1	1	1	$\frac{2828}{2\overline{8}3\overline{9}}$	
$\frac{201}{202}$	(006) $(00\overline{6})$	0	$\frac{1}{0}$	$\frac{1}{0}$	$\frac{1}{0}$	$\frac{2817}{2\overline{8}2\overline{8}}$	
200 201	$\frac{(00\overline{6})}{(00\overline{6})}$	0	0	0	0	$\frac{2806}{2\overline{8}1\overline{7}}$	
133	(000)	0	0	0	0	$\frac{1\overline{1}3\overline{3}}{2\overline{8}0\overline{6}}$	
132	(000)	0	1	1	1	$1\overline{1}2\overline{2}$	
131	(000)	0	0	0	0	1111	
130	(000)	0	1	1	1	1100	
123	$(00\overline{1})$	0	1	1	1	$1\overline{2}3\overline{4}$	
122	$(00\overline{1})$	0	0	0	0	$1\overline{2}2\overline{3}$	
121	$(00\overline{1})$	0	1	1	1	$1\overline{2}1\overline{2}$	
120	$(00\overline{1})$	0	0	0	0	$1\overline{2}0\overline{1}$	
113	$(00\overline{2})$	0	0	0	0	$1\overline{3}3\overline{5}$	
112	$(00\overline{2})$	0	1	1	1	$1\overline{3}2\overline{4}$	
111	$(00\overline{2})$	0	0	0	0	$1\overline{3}1\overline{3}$	
110	$(00\overline{2})$	0	1	1	1	$1\overline{3}0\overline{2}$	
103	$(00\overline{3})$	0	1	1	1	$1\overline{4}3\overline{6}$	
102	$(00\overline{3})$	0	0	0	0	$1\overline{4}2\overline{5}$	
101	$(00\overline{3})$	0	1	1	1	$1\overline{4}1\overline{4}$	
100	$(00\overline{3})$	0	0	0	0	$1\overline{4}0\overline{3}$	
033	(003)	0	0	0	0	0330	
$\frac{-031}{032}$	(003)	0	1	1	1	0321	
$\frac{030}{031}$	(003)	0	0	0	0	0303 0312	
023	(002)	0	1	1	1	0231	
000	(000)	0	- 1	- 1	-	0001	

00	(000)	0	0	0	0	$\overline{2}22\overline{2}$		
00	(000)	0	0	0	0	$4\overline{4}00$		
00	(000)	0	0	0	0	$\overline{2}2\overline{2}2$		
03	(000)	1	1	0	0	$1\overline{1}00$		
02	(000)	0	0	0	0	$2\overline{2}00$		
01	(000)	1	1	0	0	$3\overline{3}00$		
10	(000)	0	0	0	0	<u>1</u> 111 <u>1</u>		
13	(000)	1	1	0	0	$001\overline{1}$		
12	(000)	0	0	0	0	1111		
11	(000)	1	1	0	0	$2\overline{2}1\overline{1}$		
	(000)		1 D.//				<i>[7]</i> OT	
			8.47 P4'	$\frac{7m^{\circ} \text{ Classif}}{4^{001}}$	$\frac{1\text{cation} = 4}{4^{001}}$	\mathbb{Z}_2 $\Lambda_{\mathrm{BS}} =$	\mathbb{Z}_2 SI = z_{2,S_4}	
\mathbb{Z}_2	weak	$4^{001}*$	<i>i</i> *					
0	(000)	0	0	0	0			
1	(000)	1	0	1	1			
		83	$A8 P_c4/$	m Classific	$cation = \mathbb{Z}$	$X_{BS} =$	$\mathbb{Z}_4 \mathrm{SI} = z_{4m,0}^+$	
\mathbb{Z}_4	weak	$\{1 00\frac{1}{2}\}*$	4001	i	$\bar{4}^{001}$	$\bar{4}^{001}$	$Cm_{(4)}^{001}$	
0	(000)	0	0	0	0	0	$\frac{-4400}{4400}$	
	/							
	(000)	0	0	0	0	0	1100	
1	(000)	1	0	1	1	1	1100	
2	(000)	0	0	0	0	0	$2\overline{2}00$	
3	(000)	1	0	1	1	1	$3\overline{3}00$	
		83.49	P_C4/m	Classification	on = \mathbb{Z}_M^2	$X_{BS} = \mathbb{Z}_{4,A}$	$SI = z_{4m,0}^+, z_{4m,\pi}^+$ $Cm_{(4)}^{001}$	
$\overline{\mathbb{Z}_{4,4}}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	4001	i	$\bar{4}^{001}$	$\bar{4}^{001}$	$Cm_{(4)}^{001}$	
00	(000)	0	0	0	0	0	$\frac{4400}{400}$	
00	(000)	0	0	0	0	0	$\frac{1400}{004\overline{4}}$	
00	(000)	0	0	0	0	0	$\frac{0044}{00\overline{4}4}$	
	/					1	$\frac{0044}{001\overline{1}}$	
01	(000)	1	0	1	1			
02	(000)	0	0	0	0	0	$002\overline{2}$	
03	(000)	1	0	1	1	1	$003\overline{3}$	
10	(000)	1	0	1	1	1	1100	
11	(000)	0	0	0	0	0	1111	
12	(000)	1	0	1	1	1	$1\overline{1}2\overline{2}$	
13	(000)	0	0	0	0	0	$1\overline{1}3\overline{3}$	
20	(000)	0	0	0	0	0	$2\overline{2}00$	
21	(000)	1	0	1	1	1	$2\overline{2}1\overline{1}$	
22	(000)	0	0	0	0	0	$2\overline{2}2\overline{2}$	
23	(000)	1	0	1	1	1	$2\overline{2}3\overline{3}$	
30	(000)	1	0	1	1	1	$3\overline{3}00$	
31	(000)	0	0	0	0	0	$3\overline{3}1\overline{1}$	
32	(000)	1	0	1	1	1	$3\overline{3}2\overline{2}$	
33	(000)	0	0	0	0	0	3333	
	(, , , ,							
	1		$\frac{.50 P_I 4}{4001}$		$\frac{\text{cation} = \mathbb{Z}}{7001}$	$X_{BS} = \frac{1}{4}$	$\mathbb{Z}_4 \text{SI} = z_{4m,0}^+$	
\mathbb{Z}_4	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	4^{001}	i	$\bar{4}^{001}$		$Cm_{(4)}^{001}$	
0	(000)	0	0	0	0	0	$4\overline{4}00$	
0	(000)	0	0	0	0	0	0000	
1	(000)	1	0	1	1	1	$1\overline{1}00$	
2	(000)	0	0	0	0	0	$2\overline{2}00$	
3	(000)	1	0	1	1	1	$3\overline{3}00$	
	· · · /	84.51 F	$P4_2/m$ C	Classification	$= \mathbb{Z}_{M} \times \mathbb{Z}$	$X_{\rm DC} = 7$	$Z_{2,4}$ SI = $Z_{2m,\pi}^+, Z_{4m,0}^+$	
77	77700 lr		$\frac{42/m}{i}$		- 22M × 2	$C_{\rm m}$ 001	$\sim 2,4$ $\sim 2m,\pi,\sim 4m,0$	
$\mathbb{Z}_{2,4}$	weak	$4^{001}_{\underline{00\frac{1}{2}}}$		$\bar{4}^{001}_{00\frac{1}{2}}$	$\bar{4}^{001}_{00\frac{1}{2}}$	$Cm_{(4)}^{001}$		
00	$(00\overline{4})$	$\overline{2}$	0	0	0	0422		
00	(000)	0	0	0	0	$4\overline{4}00$		
00	(000)	0	0	0	0	0000		

	(000)	0	1	1	1	$1\overline{1}00$		
$\frac{01}{02}$	(000)		0	1 0	0	$\frac{1100}{2\overline{2}00}$		
$\frac{02}{03}$	(000)	0				$\frac{2200}{3\overline{3}00}$		
	/	0	1	1	1			
10	$(00\overline{2})$	$\frac{1}{1}$	1	0	0	0211		
11	$(00\overline{2})$	$\frac{\overline{1}}{\overline{1}}$	0	1	1	1111		
12	$(00\overline{2})$		1	0	0	2011		
13	$(00\overline{2})$	<u> </u>	0	1	1	3111		
			53 $P4'_{2}$	m Classific	$cation = \mathbb{Z}$	$_{M}$ $X_{BS} =$	$\mathbb{Z}_2 \mathrm{SI} = z_{2m,0}^+$	
\mathbb{Z}_2	weak	$4_{00\frac{1}{2}}^{001} *$	i	$\bar{4}^{001}_{00\frac{1}{2}}*$	$\bar{4}_{00\frac{1}{2}}^{00\bar{1}}*$	$Cm_{(2)}^{001}$		
0	(000)	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	$2\overline{2}00$		
1	(000)	1	1	0	0	$1\overline{1}00$		
		84	$.55 P4_{2}'$	/m' Classif	ication = 2	\mathbb{Z}_2 $X_{BS} =$	\mathbb{Z}_2 SI = z_{2,S_4}	
\mathbb{Z}_2	weak	$4^{001}_{00\frac{1}{2}}*$	i*	$\bar{4}^{001}_{00\frac{1}{2}}$	$\bar{4}_{00\frac{1}{2}}^{00\bar{1}}$	2 00	2 2,04	
$\frac{-2}{0}$	(000)	$\frac{-00\frac{1}{2}}{0}$	0	$00\frac{1}{2}$	$\frac{-00\frac{1}{2}}{0}$			
$\frac{0}{1}$	(000)	1	0	1	1			
	(000)					7. 77	F7 CT 1	
	I -		$\frac{56}{1001} P_c 4_2$		$\frac{\text{cation} = \mathbb{Z}}{7001}$	$X_{\rm BS} = X_{\rm BS}$	$\mathbb{Z}_4 \text{SI} = z_{4m,0}^+$	
\mathbb{Z}_4	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}*$	i	$\bar{4}^{001}*$	$\bar{4}^{001}*$	$Cm_{(4)}^{001}$	
0	(000)	0	0	0	0	0	$4\overline{4}00$	
0	(000)	0	0	0	0	0	0000	
1	(000)	1	1	1	0	0	$1\overline{1}00$	
2	(000)	0	0	0	0	0	$2\overline{2}00$	
3	(000)	1	1	1	0	0	$3\overline{3}00$	
		84.5	$57 P_C 4_2$	/m Classifi	$cation = \mathbb{Z}$	$Z_M = X_{BS} =$	$= \mathbb{Z}_4 \text{SI} = z_{4m,0}^+$	
\mathbb{Z}_4	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4_{00\frac{1}{2}}^{001}$	i	$\bar{4}^{001}_{00\frac{1}{2}}$	$\bar{4}_{00\frac{1}{2}}^{00\bar{1}}$	$Cm_{(4)}^{001}$	
0	(000)	0	00 2	0	$00\frac{1}{2}$	$00\frac{1}{2}$	$\frac{4}{400}$	
0	(000)	0	0	0	0	0	0000	
1	(000)	1	0	1	1	1	$1\overline{1}00$	
2	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{2}$	
3	(000)	1	0	1	1	1	$\frac{2200}{3\overline{3}00}$	
	(000)		$\phantom{00000000000000000000000000000000000$				\mathbb{Z}_4 SI = $z_{4m,0}^+$	
	weak			$\frac{i}{i}$	$\frac{\text{Cation} - \mathbb{Z}}{4001}$	$\frac{a_M}{4001}$.	C_{m}^{001}	
\mathbb{Z}_4		$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}\frac{1}{2}0}*$		$\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$Cm_{(4)}^{001}$	
0	(000)	0	0	0	0	0	$4\overline{4}00$	
0	(000)	0	0	0	0	0	0000	
1	(000)	1	1	1	0	0	$1\overline{1}00$	
2	(000)	0	0	0	0	0	$2\overline{2}00$	
3	(000)	1	1	1	0	0	3300	
	1	85.59	P4/n	Classification	$\mathbf{n} = \mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}$	$SI = z_{2,4}$ $SI = z_{2,S_4}, z_{4C}$	
$\mathbb{Z}_{2,4}$	weak	$4^{001}_{\frac{1}{2}00}$	i	$\bar{4}^{001}_{rac{1}{2}00}$	$\bar{4}_{0\frac{1}{2}0}^{00\bar{1}}$			
00	(000)	0	0	0	0			
00	(004)	0	0	0	0			
01	(001)	0	0	0	0			
02	(002)	0	0	0	0			
03	(003)	0	0	0	0			
10	(000)	0	1	1	1			
11	(001)	0	1	1	1			
12	(002)	0	1	1	1			
13	(003)	0	1	1	1			
		8	5.61 P4	'/n Classif	ication = Z	$\overline{Z_2}$ $\overline{X_{BS}} =$	\mathbb{Z}_2 SI = z'_{2P}	
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}00}*$	i	$\frac{4^{001}}{4^{001}}$ *	$\bar{4}^{001}_{0\frac{1}{2}0}*$		- <u>2</u> F	
0	(000)	$\frac{\frac{1}{2}00}{0}$	0	$\frac{\frac{1}{2}00}{0}$	$\frac{1_{0\frac{1}{2}0}}{0}$			
	(000)	U	U	U	U			

1	(000)	1	1	0	0		
		85	5.63 P4'	/n' Classific	$cation = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}$	$SI = z_{2,S_4}$
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}00}*$	i*	$\bar{4}^{001}_{\frac{1}{2}00}$	$\bar{4}_{0\frac{1}{2}0}^{00\bar{1}}$		
0	(000)	$\frac{200}{0}$	0	$\frac{1}{2}00$	$0_{\overline{2}}$		
1	(000)	1	0	1	1		
	(000)	- 8	$\overline{5.64}$ P_c4	/n Classific	$cation = \mathbb{Z}_2$	$X_{DG} = \mathbb{Z}_{c}$	$SI = z_{2,S_4}$
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$		$\frac{i}{i}$	$\frac{1}{4001} = 22$	$\frac{A_{BS} - Z_{2}}{\bar{4}_{0\frac{1}{2}0}^{001}}$	$S1 = z_2, S_4$
			$4^{001}_{\frac{1}{2}00}$				
$\frac{0}{1}$	(000)	0	$\frac{0}{0}$	0	0	0	
	(000)						CT.
	1			1/n Classific			$_{2} SI = z_{2,S_4}$
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{\frac{1}{2}00}$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}_{0\frac{1}{2}0}^{001}*$	$\bar{4}^{00\bar{1}}_{rac{1}{2}00}*$	
0	(000)	0	0	0	0	0	
1	(000)	1	0	0	0	0	
			$5.66 P_I 4$	n Classific	cation = \mathbb{Z}_2	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{00\bar{1}}_{\frac{1}{2}0\frac{1}{2}}*$	
0	(000)	0	0	0	0	0	
1	(000)	1	0	0	0	0	
		86.67	$P4_2/n$ C	Classification	$=\mathbb{Z}\times\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_{2 2}$	$SI = z_{2,S_4}, z_{4C}/2$
$\overline{\mathbb{Z}_{2,2}}$	weak	$4_{0\frac{1}{2}\frac{1}{2}}^{001}$	$\frac{2i}{i}$	$\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$		2,54) - 40 /
00	(000)	$0\frac{1}{2}\frac{1}{2}$	0	0 = = =	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$		
00	$(00\overline{4})$	$\frac{0}{2}$	0	0	0		
01	$(00\overline{2})$	$\frac{2}{1}$	1	0	0		
10	(000)	0	1	1	1		
11	$(00\overline{2})$	$\frac{\overline{1}}{1}$	0	1	1		
	/		6.69 P4	$\frac{l}{2}/n$ Classifi	$cation = \mathbb{Z}$	$X_{BS} = \mathbb{Z}$	$SI = z'_{a}$
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{0\frac{1}{2}\frac{1}{2}}*$	$\frac{i}{i}$	$\frac{4001}{40\frac{1}{2}\frac{1}{2}}$ *	$\frac{\overline{4001}}{\overline{4}_{\frac{1}{2}0\frac{1}{2}}^{10}}*$	2 1105 22	2 2 2 29
0	(000)	$\frac{-0\frac{1}{2}\frac{1}{2}}{0}$	0	$\frac{10\frac{1}{2}\frac{1}{2}}{0}$	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$		
1	(000)	1	1	0	0		
	(000)		$6.71 P4_2'$			V 77	$_{2}$ SI = z_{2,S_4}
$\overline{\mathbb{Z}_2}$	weak		$\frac{i*}{i*}$		$\frac{\text{cation} = \mathbb{Z}_2}{7001}$	$\Lambda_{\mathrm{BS}} = Z$	z_2 $S1 = z_2, S_4$
		$4_{0\frac{1}{2}\frac{1}{2}}^{001}*$		$\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$		
0	(000)	0	0	0	0		
1	(000)	1	0	1	1		
			$\frac{5.72 P_c 4_2}{1.001}$	2/n Classific	$\frac{\text{cation} = \mathbb{Z}_2}{2}$	$X_{BS} = \mathbb{Z}$	$SI = z_{2,S_4}$
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}_{0\frac{1}{2}0}*$	i	$\bar{4}^{001}_{0\frac{1}{2}0}*$	$\bar{4}^{00\bar{1}}_{\frac{1}{2}00}*$	
0	(000)	0	0	0	0	0	
1	(000)	1	1	1	0	0	
			.73 $P_C 4$	2/n Classifi	$cation = \mathbb{Z}$	$_{2}$ $X_{\mathrm{BS}}=\mathbb{Z}$	$_2$ SI = z_{2,S_4}
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4_{0\frac{1}{2}\frac{1}{2}}^{001}$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$\bar{4}_{0\frac{1}{2}\frac{1}{2}}^{001}*$	
0	(000)	0	0	0	0	0	
1	(000)	1	0	0	0	0	
		86	$6.74 P_I 4_2$	n Classifi	$cation = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}$	$_2$ SI = z_{2,S_4}
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}*$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$ *	$\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}$	$\frac{400\overline{1}}{4\frac{1}{2}0\frac{1}{2}}$	- - ',∼4
$\frac{-2}{0}$	(000)	0	$\frac{-\frac{1}{2}00}{0}$	0	$\frac{-0\frac{1}{2}\frac{1}{2}}{0}$	$0^{-\frac{1}{2}0\frac{1}{2}}$	
1	(000)	1	1	0	1	1	
	1 (300)	87.75 I		assification =			$SI - z^+ z^-$
77	weak	4001	$\frac{4/m}{i}$ Cla	$\frac{1}{4001}$	$\frac{\mathbb{Z}_M \times \mathbb{Z}}{4^{001}}$	$\Lambda_{\text{BS}} = \mathbb{Z}_{4,4}$ $C_{\text{m}}001$	$SI = z_{4m,87}^+, z_{4m,87}^-$
$\frac{\mathbb{Z}_{4,4}}{00}$						$Cm_{(4)}^{001}$	
00	$(44\overline{4})$ (000)	0	0	0	$\frac{0}{0}$	$\frac{44}{4\overline{4}}$	
00	(000)	0	0	0	0	00	
01	(000)	0	1	1	1	$\frac{00}{1\overline{1}}$	
O1	(000)	U	_	-	1		

00								
02	(000)	0	0	0	0	$2\overline{2}$		
03	(000)	0	1	1	1	$3\overline{3}$		
10	$(11\overline{1})$	0	0	0	0	11		
11	$(11\overline{1})$	0	1	1	1	20		
12	$(11\overline{1})$	0	0	0	0	$3\overline{1}$		
13	$(11\overline{1})$	0	1	1	1	$4\overline{2}$		
20	$(22\overline{2})$	0	0	0	0	22		
21	$(22\overline{2})$	0	1	1	1	31		
22	$(22\overline{2})$	0	0	0	0	40		
23	$(22\overline{2})$	0	1	1	1	$5\overline{1}$		
30	$(33\overline{3})$	0	0	0	0	33		
31	$(33\overline{3})$	0	1	1	1	42		
32	$(33\overline{3})$	0	0	0	0	51		
33	$(33\overline{3})$	0	1	1	1	60		
		87	7.77 I4'/	m Classifi	cation = \mathbb{Z}_{λ}	$X_{BS} = \mathbb{Z}$	$_{4}$ SI = z'_{4P}	
$\overline{\mathbb{Z}_4}$	weak	4001*	$\frac{i}{i}$	4001 *	$\frac{1}{4^{001}}$ *	$Cm_{(2)}^{001}$	4P	
0	(000)	0	0	0	0	$\frac{6 m_{(2)}}{4 \overline{4}}$		
0	(000)	0	0	0	0	00		
3	(000)	1	1	0	0	1 <u>1</u>		
2	(000)	0	0	0	0	$\frac{11}{2\overline{2}}$		
1	(000)	1	1	0	0	$\frac{22}{3\overline{3}}$		
	(000)		1 74//				CT	
			1.79 I4'/9	m' Classifi	$\frac{\text{cation} = \mathbb{Z}_2}{7001}$	$X_{BS} = \mathbb{Z}_2$	$S1 = z_{2,S_4}$	
\mathbb{Z}_2	weak	$4^{001}*$	<i>i</i> *	$\bar{4}^{001}$	$\bar{4}^{001}$			
0	(000)	0	0	0	0			
1	(000)	1	0	1	1			
		87.	I_c4/n	n Classifica	ation = \mathbb{Z}_M	$X_{BS} = \mathbb{Z}_4$	$SI = z_{4m,87}^-$	
\mathbb{Z}_4	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	4^{001}	i	$\bar{4}^{001}$	$\bar{4}^{001}$	$Cm_{(4)}^{001}$	
0	(000)	0	0	0	0	0	$4\overline{4}$	
Λ	(000)							
0	(000)	0	0	0	0	0	00	
$\frac{0}{1}$	(000)	0	0	0	0	0	$\frac{00}{1\overline{1}}$	
	\ /							
1	(000)	1	0	1	1	1	11	
1 2	(000)	1 0 1	0 0 0	1 0 1	1 0 1	1 0 1	$ \begin{array}{r} 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $	
1 2 3	(000) (000) (000)	1 0 1 88.81	$0 \\ 0 \\ 0 \\ I4_1/a 0$	$ \begin{array}{c} 1\\0\\1\\ \end{array} $ Classification	$ \begin{array}{c} 1\\0\\1\\ 1 = \mathbb{Z} \times \mathbb{Z}_2 \end{array} $	1 0 1	$\frac{1\overline{1}}{2\overline{2}}$	
$ \begin{array}{c c} 1\\ 2\\ 3\\ \hline \mathbb{Z}_{2,2} \end{array} $	(000) (000) (000) weak	$ \begin{array}{c} 1\\ 0\\ 1\\ \hline 88.81\\ 4_{\frac{1}{4}\frac{1}{4}}^{001}\\ \frac{1}{4}\frac{1}{4} \end{array} $	$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ \hline I4_1/a \\ i \end{array} $	$ \begin{array}{c} 1\\ 0\\ 1\\ \hline \text{Classification}\\ \bar{4}^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} \end{array} $	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ 1 = \mathbb{Z} \times \mathbb{Z}_2 \\ \overline{4_{\frac{1}{4}, \frac{1}{4}, \frac{1}{4}}^{001}} \end{array} $	1 0 1	$ \begin{array}{r} 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $	
$ \begin{array}{c c} 1 \\ 2 \\ 3 \\ \hline \mathbb{Z}_{2,2} \\ 00 \end{array} $	(000) (000) (000) weak (444)	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ \hline 88.81 \\ 4^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}} \\ 2 \end{array} $	$ \begin{array}{c cccc} 0 & & \\ 0 & & \\ 0 & & \\ \hline I4_1/a & C \\ i & & \\ 0 & & \\ \end{array} $	$\begin{array}{c} 1\\0\\1\\\text{Classification}\\ \overline{4}^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}\\0\\\end{array}$	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ 1 = \mathbb{Z} \times \mathbb{Z}_2 \\ \overline{4}_{\frac{1}{4} \frac{1}{4} \frac{1}{4}}^{001} \\ 0 \end{array} $	1 0 1	$ \begin{array}{r} 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $	
$ \begin{array}{c c} 1 \\ 2 \\ 3 \\ \hline & \\ \hline & \\ & \\ & \\ & \\ & \\ & $	(000) (000) (000) (000) weak (444) (444)	$ \begin{array}{r} 1 \\ 0 \\ 1 \\ \hline 88.81 \\ 4 \frac{001}{\frac{1}{4} \frac{1}{4} \frac{1}{4}} \\ 2 \\ 2 \end{array} $	$0 \\ 0 \\ 0 \\ I4_1/a \\ 0 \\ 0 \\ 0$	$\begin{array}{c} 1 \\ 0 \\ 1 \\ \hline \text{Classification} \\ \frac{\bar{4}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{001}}{\frac{1}{4}_{\frac{1}{4}\frac{1}{4}}^{4}} \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ 1 = \mathbb{Z} \times \mathbb{Z}_2 \\ \bar{4}^{001}_{\frac{1}{4} \frac{1}{4} \frac{1}{4}} \\ 0 \\ 0 \end{array} $	1 0 1	$ \begin{array}{r} 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $	
$ \begin{array}{c c} 1 \\ 2 \\ 3 \\ \hline $	(000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{r} 1\\ 0\\ 1\\ \hline 88.81\\ 4^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}}\\ 2\\ 2\\ 1 \end{array} $	$ \begin{array}{c cccc} 0 & & & \\ 0 & & & \\ \hline 0 & & & \\ \hline I4_1/a & & \\ i & & & \\ 0 & & & \\ 0 & & & \\ 1 & & & \\ \end{array} $	$\begin{array}{c} 1 \\ 0 \\ 1 \\ \hline Classification \\ \bar{4}^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} \\ 0 \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ 1 = \mathbb{Z} \times \mathbb{Z}_2 \\ \overline{4}_{\frac{1}{4}, \frac{1}{4}, \frac{1}{4}}^{001} \\ 0 \\ 0 \end{array} $	1 0 1	$ \begin{array}{r} 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $	
$ \begin{array}{c c} 1\\ 2\\ 3\\ \hline & \\ & \\ & \\ & \\ & \\ & \\ & \\ $	(000) (000) (000) (000) weak (444) (444) (222) (222)	$ \begin{array}{c} 1 \\ 0 \\ \hline 1 \\ \hline 88.81 \\ 4^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}} \\ \hline 2 \\ 2 \\ 2 \\ \hline 1 \\ \hline 1 \end{array} $	$egin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 1 \\ 0 \\ 1 \\ \hline \\ Classification \\ \hline 4^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}} \\ 0 \\ 0 \\ 0 \\ 1 \\ \end{array}$	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ 1 = \mathbb{Z} \times \mathbb{Z}_2 \\ \overline{4}_{\frac{1}{4} \frac{1}{4} \frac{1}{4}}^{001} \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	1 0 1	$ \begin{array}{r} 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $	
$ \begin{array}{c c} 1 \\ 2 \\ 3 \\ \hline $	(000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c} 1\\ 0\\ \hline 1\\ 88.81\\ 4^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}}\\ 2\\ 2\\ 2\\ 1\\ 0 \end{array} $	$\begin{array}{c c} 0 & & \\ 0 & & \\ \hline 0 & & \\ \hline I4_1/a & & \\ 0 & & \\ 0 & & \\ 1 & & \\ 0 & & \\ 1 & & \\ \end{array}$	$\begin{array}{c} 1 \\ 0 \\ 1 \\ \hline Classification \\ \frac{\bar{4}_{1}^{001}}{\frac{1}{4}_{1}^{4} \frac{1}{4}} \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ \end{array}$	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ 1 = \mathbb{Z} \times \mathbb{Z}_2 \\ \hline 4^{001}_{\frac{1}{4}, \frac{1}{4}, \frac{1}{4}} \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $	1 0 1 $X_{BS} = \mathbb{Z}_{2,2}$	$ \frac{1\overline{1}}{2\overline{2}} $ $ 3\overline{3} $ $ SI = z_{2,S_4}, z'_{2P} $	
$ \begin{array}{c c} 1\\ 2\\ 3\\ \hline \mathbb{Z}_{2,2}\\ 00\\ 00\\ 01\\ 10\\ 11\\ \end{array} $	(000) (000) (000) (000) weak (444) (244) (222) (222) (000)	$ \begin{array}{r} 1\\ 0\\ 1\\ \hline 88.81\\ 4^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}}\\ 2\\ 2\\ 2\\ 1\\ \hline 0\\ 8 \end{array} $	$\begin{array}{c} 0 \\ 0 \\ 0 \\ \hline 0 \\ \hline 14_1/a & 0 \\ i \\ \hline 0 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline 8.83 & 14_1' \\ \hline \end{array}$	$ \begin{array}{c} 1\\ 0\\ 1\\ \hline \text{Classification}\\ \hline 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}\\ 0\\ 0\\ 0\\ 1\\ 1\\ A \text{Classifi} \end{array} $	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ 1 = \mathbb{Z} \times \mathbb{Z}_2 \\ \hline 4^{001}_{\frac{1}{4} \frac{1}{4} \frac{1}{4}} \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 1 \\ 1 \end{array} $	1 0 1 $X_{BS} = \mathbb{Z}_{2,2}$	$ \begin{array}{r} 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $	
$ \begin{array}{c c} 1\\ 2\\ 3\\ \hline & \\ & \\ & \\ & \\ & \\ & \\ & \\ $	(000) (000) (000) (000) weak (444) (444) (222) (222)	$ \begin{array}{r} 1\\ 0\\ 1\\ \hline 88.81\\ 4^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}}\\ 2\\ 2\\ 2\\ 1\\ \hline 0\\ 8 \end{array} $	$\begin{array}{c c} 0 & & \\ 0 & & \\ \hline 0 & & \\ \hline I4_1/a & & \\ 0 & & \\ 0 & & \\ 1 & & \\ 0 & & \\ 1 & & \\ \end{array}$	$ \begin{array}{c} 1\\ 0\\ 1\\ \hline \text{Classification}\\ \hline 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}\\ 0\\ 0\\ 0\\ 1\\ 1\\ A \text{Classifi} \end{array} $	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ 1 = \mathbb{Z} \times \mathbb{Z}_2 \\ \hline 4^{001}_{\frac{1}{4} \frac{1}{4} \frac{1}{4}} \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 1 \\ 1 \end{array} $	1 0 1 $X_{BS} = \mathbb{Z}_{2,2}$	$ \frac{1\overline{1}}{2\overline{2}} $ $ 3\overline{3} $ $ SI = z_{2,S_4}, z'_{2P} $	
$ \begin{array}{c c} 1\\ 2\\ 3\\ \hline \mathbb{Z}_{2,2}\\ 00\\ 00\\ 01\\ 10\\ 11\\ \end{array} $	(000) (000) (000) (000) weak (444) (244) (222) (222) (000)	$ \begin{array}{c} 1\\ 0\\ \hline 1\\ 88.81\\ 4^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}}\\ 2\\ 2\\ 2\\ 1\\ 0 \end{array} $	$\begin{array}{c} 0 \\ 0 \\ 0 \\ \hline 0 \\ \hline 14_1/a & 0 \\ i \\ \hline 0 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline 8.83 & 14_1' \\ \hline \end{array}$	$\begin{array}{c} 1 \\ 0 \\ 1 \\ \hline Classification \\ \frac{\bar{4}_{1}^{001}}{\frac{1}{4}_{1}^{4} \frac{1}{4}} \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ \end{array}$	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ 1 = \mathbb{Z} \times \mathbb{Z}_2 \\ \hline 4^{001}_{\frac{1}{4}, \frac{1}{4}, \frac{1}{4}} \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $	1 0 1 $X_{BS} = \mathbb{Z}_{2,2}$	$ \frac{1\overline{1}}{2\overline{2}} $ $ 3\overline{3} $ $ SI = z_{2,S_4}, z'_{2P} $	
$ \begin{array}{c c} 1\\ 2\\ 3\\ \hline \mathbb{Z}_{2,2}\\ 00\\ 00\\ 01\\ 10\\ 11\\ \hline \mathbb{Z}_{2} \end{array} $	(000) (000) (000) (000) weak (444) (444) (222) (222) (000) weak	$ \begin{array}{c} 1\\ 0\\ 1\\ 88.81\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}\\ 2\\ 2\\ 2\\ 1\\ 0\\ 8\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}\\ 0\\ 8\\ 8\\ 6\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\$	$ \begin{array}{c c} 0 \\ 0 \\ \hline 0 \\ \hline 14_1/a \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 8.83 \\ 14'_1 \\ i \end{array} $	$\begin{array}{c} 1\\ 0\\ 1\\ \hline \\ Classification\\ \hline 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}\\ 0\\ 0\\ 0\\ 0\\ 1\\ \hline 1\\ \hline \\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}\\ \end{array}$	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ 1 = \mathbb{Z} \times \mathbb{Z}_{2} \\ \overline{4}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{001} \\ 0 \\ 0 \\ 0 \\ 1 \\ \hline 1 \\ \hline cation = \mathbb{Z}_{2} \\ \overline{4}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{001} \\ \hline 4 \\ \overline{4}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{1} \\ \end{array} $	1 0 1 $X_{BS} = \mathbb{Z}_{2,2}$	$ \frac{1\overline{1}}{2\overline{2}} $ $ 3\overline{3} $ $ SI = z_{2,S_4}, z'_{2P} $	
$ \begin{array}{c c} 1\\ 2\\ 3\\ \hline \mathbb{Z}_{2,2}\\ 00\\ 00\\ 01\\ 10\\ 11\\ \hline \mathbb{Z}_{2}\\ 0 \end{array} $	(000) (000) (000) (000) weak (444) (422) (222) (000) weak (000)	$ \begin{array}{c} 1\\ 0\\ 1\\ \hline 88.81\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}\\ 2\\ 2\\ 2\\ 1\\ \hline 0\\ 8\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} *\\ 0\\ 1\\ \end{array} $	$ \begin{array}{c c} 0 \\ 0 \\ \hline 0 \\ \hline I4_1/a \\ 0 \\ 0 \\ \hline 1 \\ 0 \\ \hline 8.83 \\ I4'_1 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 1 \\ 0 \\ 1 \\ \hline \\ 1 \\ \hline \\ 1 \\ \hline \\ 2 \\ 1 \\ \hline \\ 2 \\ 1 \\ \hline \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 3 \\ 2 \\ 3 \\ 3$	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ \hline 1 = \mathbb{Z} \times \mathbb{Z}_2 \\ \hline 4^{001}_{\frac{1}{4} \frac{1}{4} \frac{1}{4}} \\ 0 \\ 0 \\ 0 \\ 1 \\ \hline cation = \mathbb{Z}_2 \\ \hline 4^{001}_{\frac{1}{4} \frac{1}{4} \frac{1}{4}} \\ 0 \\ \hline cation = \mathbb{Z}_2 \end{array} $	$\frac{1}{0}$ 1 $X_{BS} = \mathbb{Z}_{2,2}$ $X_{BS} = \mathbb{Z}_2$	$ \frac{1\overline{1}}{2\overline{2}} $ $ 3\overline{3} $ $ SI = z_{2,S_4}, z'_{2P} $ $ SI = z'_{2P} $	
$ \begin{array}{c c} 1\\ 2\\ 3\\ \hline \mathbb{Z}_{2,2}\\ 00\\ 01\\ 10\\ 11\\ \hline \mathbb{Z}_{2}\\ 0\\ 1 \end{array} $	(000) (000) (000) (000) weak (444) (422) (222) (000) weak (000)	$ \begin{array}{c} 1\\ 0\\ 1\\ \hline 88.81\\ 4^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}}\\ 2\\ 2\\ 2\\ 1\\ \hline 0\\ \hline 8\\ 4^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}}*\\ 0\\ 1\\ 88 \end{array} $	$\begin{array}{c} 0 \\ 0 \\ 0 \\ \hline 0 \\ \hline 14_1/a & 0 \\ i \\ \hline 0 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline 8.83 & I4_1' \\ i \\ \hline 0 \\ 1 \\ \end{array}$	$\begin{array}{c} 1 \\ 0 \\ 1 \\ \hline \\ 1 \\ \hline \\ 1 \\ \hline \\ 2 \\ 1 \\ \hline \\ 2 \\ 1 \\ \hline \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 3 \\ 2 \\ 3 \\ 3$	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ \hline 1 = \mathbb{Z} \times \mathbb{Z}_2 \\ \hline 4^{001}_{\frac{1}{4} \frac{1}{4} \frac{1}{4}} \\ 0 \\ 0 \\ 0 \\ 1 \\ \hline cation = \mathbb{Z}_2 \\ \hline 4^{001}_{\frac{1}{4} \frac{1}{4} \frac{1}{4}} \\ 0 \\ \hline cation = \mathbb{Z}_2 \end{array} $	$\frac{1}{0}$ 1 $X_{BS} = \mathbb{Z}_{2,2}$ $X_{BS} = \mathbb{Z}_2$	$ \frac{1\overline{1}}{2\overline{2}} $ $ 3\overline{3} $ $ SI = z_{2,S_4}, z'_{2P} $	
$ \begin{array}{c c} 1\\ 2\\ 3\\ \hline \mathbb{Z}_{2,2}\\ 00\\ 01\\ 10\\ 11\\ \hline \mathbb{Z}_{2}\\ 0\\ 1\\ \hline \mathbb{Z}_{2} $	(000) (000) (000) (000) weak (444) (222) (222) (000) weak (000) (000)	$ \begin{array}{c} 1\\ 0\\ 1\\ 88.81\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}\\ 2\\ 2\\ 2\\ 1\\ \hline 0\\ 88\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*\\ 0\\ 1\\ 88\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*\\ 0\\ 1\\ \end{array} $	$\begin{array}{c} 0 \\ 0 \\ 0 \\ \hline 0 \\ \hline 14_1/a & 0 \\ i \\ \hline 0 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline 8.83 & I4_1' \\ i \\ \hline 0 \\ 1 \\ \hline 8.85 & I4_1' \\ i \\ \end{array}$	$\begin{array}{c} 1\\ 0\\ 1\\ \hline \\ 1\\ \hline \\ Classification\\ \hline 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}\\ 0\\ 0\\ 0\\ \hline \\ 0\\ \hline \\ A & Classifi\\ \hline 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} *\\ 0\\ 0\\ \hline \\ A' & Classifi\\ \hline 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} *\\ \hline \\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} \end{array}$	$\begin{array}{c} 1\\ 0\\ 1\\ \hline 1\\ \hline 1\\ \hline 2\\ \hline 2\\ \hline 2\\ \hline 2\\ \hline 3\\ \hline 0\\ 0\\ \hline 0\\ 0\\ \hline 0\\ 0\\ \hline 0\\ \hline 1\\ \hline 1\\$	$\frac{1}{0}$ 1 $X_{BS} = \mathbb{Z}_{2,2}$ $X_{BS} = \mathbb{Z}_2$	$ \frac{1\overline{1}}{2\overline{2}} $ $ 3\overline{3} $ $ SI = z_{2,S_4}, z'_{2P} $ $ SI = z'_{2P} $	
$ \begin{array}{c c} 1\\ 2\\ 3\\ \hline \mathbb{Z}_{2,2}\\ 00\\ 01\\ 10\\ 11\\ \hline \mathbb{Z}_{2}\\ 0\\ 1\\ \hline \mathbb{Z}_{2}\\ 0\\ 0 $	(000) (000) (000) (000) weak (444) (444) (222) (222) (000) weak (000) (000)	$ \begin{array}{c} 1\\ 0\\ 1\\ \hline 88.81\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}\\ 2\\ 2\\ 2\\ 1\\ \hline 0\\ \hline 8\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*\\ 0\\ 1\\ \hline 88\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*\\ 0\\ 0\\ 0\\ \end{array} $	$\begin{array}{c} 0 \\ 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 14_1/a & 0 \\ \hline i \\ 0 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline 8.83 & I4_1' \\ \hline 0 \\ 1 \\ \hline 8.85 & I4_1' \\ \hline i \\ * \\ 0 \\ \end{array}$	$\begin{array}{c} 1 \\ 0 \\ 1 \\ \hline \\ Classification \\ \hline 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} \\ 0 \\ 0 \\ \hline 0 \\ 1 \\ \hline 1 \\ \hline A & Classifi \\ \hline 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} * \\ 0 \\ 0 \\ \hline 0 \\ \hline \\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} * \\ 0 \\ \hline \\ 0 \\ \hline \\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} \\ 0 \\ \hline \\ 0 \\ \end{array}$	$\begin{array}{c} 1\\ 0\\ 1\\ \hline 1\\ \hline 1\\ \hline 2\\ \hline 2\\ \hline 2\\ \hline 4\\ 1\\ 1\\ \hline 2\\ \hline 4\\ 1\\ 1\\ \hline 0\\ 0\\ \hline 0\\ 0\\ \hline 0\\ \hline 0\\ \hline 0\\ \hline$	$\frac{1}{0}$ 1 $X_{BS} = \mathbb{Z}_{2,2}$ $X_{BS} = \mathbb{Z}_2$	$ \frac{1\overline{1}}{2\overline{2}} $ $ 3\overline{3} $ $ SI = z_{2,S_4}, z'_{2P} $ $ SI = z'_{2P} $	
$ \begin{array}{c c} 1\\ 2\\ 3\\ \hline \mathbb{Z}_{2,2}\\ 00\\ 01\\ 10\\ 11\\ \hline \mathbb{Z}_{2}\\ 0\\ 1\\ \hline \mathbb{Z}_{2} $	(000) (000) (000) (000) weak (444) (222) (222) (000) weak (000) (000)	$ \begin{array}{c} 1\\ 0\\ 1\\ \hline 88.81\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}\\ \hline 2\\ 2\\ 2\\ 1\\ \hline 0\\ 8\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*\\ 0\\ 1\\ \hline 88\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*\\ 0\\ 1\\ \end{array} $	$\begin{array}{c} 0 \\ 0 \\ 0 \\ \hline 0 \\ \hline 14_1/a & 0 \\ \hline i \\ 0 \\ 0 \\ \hline 1 \\ \hline 8.83 & I4_1' \\ \hline 0 \\ \hline 1 \\ \hline 8.85 & I4_1' \\ \hline i \\ \hline 0 \\ 0 \\ \hline \end{array}$	$\begin{array}{c} 1 \\ 0 \\ 1 \\ \hline \\ 1 \\ \hline \\ 1 \\ \hline \\ 1 \\ \hline \\ 2 \\ 1 \\ \hline \\ 1 \\ 2 \\ 1 \\ \hline \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 3 \\ 2 \\ 3 \\ 3 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4$	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ \hline 1 \\ \hline 1 \\ \hline 2 \\ \hline 2 \\ \hline 4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 1 \\ \hline 1 \\ \hline cation = \mathbb{Z}_2 \\ \hline 4 \\ 0 \\ 1 \\ \hline 0 \\ 0 \\ \hline cation = \mathbb{Z}_2 \\ \hline 4 \\ 0 \\ 0 \\ \hline cation = \mathbb{Z}_2 \\ \hline 4 \\ 0 \\ 0 \\ \hline cation = \mathbb{Z}_2 \\ \hline 1 \\ 0 \\ 0 \\ \hline 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$\frac{1}{0}$ 1 $X_{BS} = \mathbb{Z}_{2,2}$ $X_{BS} = \mathbb{Z}_{2}$ $X_{BS} = \mathbb{Z}_{2}$	$ \frac{1\overline{1}}{2\overline{2}} $ $ 3\overline{3} $ $ SI = z_{2,S_4}, z'_{2P} $ $ \overline{SI} = z'_{2P} $ $ \overline{SI} = z_{2,S_4} $	
$ \begin{array}{c c} 1\\ 2\\ 3\\ \hline \mathbb{Z}_{2,2}\\ 00\\ 01\\ 11\\ \hline \mathbb{Z}_{2}\\ 0\\ 1\\ \hline \mathbb{Z}_{2}\\ 0\\ 1\\ \hline \end{array} $	(000) (000) (000) (000) weak (444) (222) (222) (000) weak (000) (000)	$ \begin{array}{c} 1\\ 0\\ 1\\ 88.81\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}\\ 2\\ 2\\ 2\\ 1\\ \hline 0\\ 88\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*\\ 0\\ 1\\ 88\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*\\ 0\\ 1\\ 88\\ 88\\ 6\\ 1\\ 88\\ 88\\ 88\\ 88\\ 88\\ 88\\ 88\\ 88\\ 88\\$	$ \begin{array}{c c} 0 \\ 0 \\ \hline 0 \\ \hline I4_1/a \\ 0 \\ 0 \\ \hline 1 \\ 8.83 \\ I4'_1 \\ \hline 0 \\ 1 \\ 8.85 \\ I4'_1/i \\ 0 \\ 0 \\ 0 \\ 8.86 \\ I_c4_1 \end{array} $	$\begin{array}{c} 1 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline Classification \\ \hline 4 \\ $	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ 1 = \mathbb{Z} \times \mathbb{Z}_{2} \\ \hline{4_{\frac{1}{4}, \frac{1}{4}, \frac{1}{4}}^{001}} \\ 0 \\ 0 \\ 0 \\ 1 \\ \hline{cation} = \mathbb{Z}_{2} \\ \hline{4_{\frac{1}{4}, \frac{1}{4}, \frac{1}{4}}^{001}} \\ 0 \\ \hline{cation} = \mathbb{Z}_{2} \\ \hline{4_{\frac{1}{4}, \frac{1}{4}, \frac{1}{4}}^{001}} \\ \hline{cation} = \mathbb{Z}_{2} \\ \hline{4_{\frac{1}{4}, \frac{1}{4}, \frac{1}{4}}^{001}} \\ \hline{cation} = \mathbb{Z}_{2} \\ \hline{cation} = \mathbb{Z}_{3} \\ \hline{cation} = \mathbb{Z}_{4} \\ c$	$\frac{1}{0}$ 1 $X_{BS} = \mathbb{Z}_{2,2}$ $X_{BS} = \mathbb{Z}_{2}$ $X_{BS} = \mathbb{Z}_{2}$	$ \frac{1\overline{1}}{2\overline{2}} $ $ 3\overline{3} $ $ SI = z_{2,S_4}, z'_{2P} $ $ SI = z'_{2P} $	
$ \begin{array}{c c} 1\\ 2\\ 3\\ \hline \mathbb{Z}_{2,2}\\ 00\\ 01\\ 10\\ 11\\ \hline \mathbb{Z}_{2}\\ 0\\ 1\\ \hline \mathbb{Z}_{2}\\ 0\\ 0 $	(000) (000) (000) (000) weak (444) (222) (222) (000) weak (000) (000) weak (000) (000)	$ \begin{array}{c} 1\\ 0\\ 1\\ \hline 88.81\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}\\ \hline 2\\ 2\\ 2\\ 1\\ \hline 0\\ 8\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*\\ 0\\ 1\\ \hline 88\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*\\ 0\\ 1\\ \end{array} $	$ \begin{array}{c c} 0 \\ 0 \\ \hline 0 \\ \hline I4_1/a \\ 0 \\ 0 \\ \hline 1 \\ 8.83 \\ I4'_1 \\ \hline 0 \\ 1 \\ 8.85 \\ I4'_1/i \\ 0 \\ 0 \\ 0 \\ 8.86 \\ I_c4_1 \end{array} $	$\begin{array}{c} 1 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline Classification \\ \hline 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} \\ 0 \\ 0 \\ \hline 0 \\ \hline 1 \\ \hline 1 \\ \hline 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} * \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} * \\ \hline 0 \\ 0 \\ \hline 1 \\ \hline 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} \\ 0 \\ 0 \\ \hline 1 \\ \hline 1 \\ \hline 0 \\ 1 \\ \hline 1 \\ \hline 0 \\ 1 \\ \hline 1 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\$	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ 1 = \mathbb{Z} \times \mathbb{Z}_{2} \\ \hline{4_{\frac{1}{4}, \frac{1}{4}, \frac{1}{4}}^{001}} \\ 0 \\ 0 \\ 0 \\ 1 \\ \hline{cation} = \mathbb{Z}_{2} \\ \hline{4_{\frac{1}{4}, \frac{1}{4}, \frac{1}{4}}^{001}} \\ 0 \\ \hline{cation} = \mathbb{Z}_{2} \\ \hline{4_{\frac{1}{4}, \frac{1}{4}, \frac{1}{4}}^{001}} \\ \hline{cation} = \mathbb{Z}_{2} \\ \hline{4_{\frac{1}{4}, \frac{1}{4}, \frac{1}{4}}^{001}} \\ \hline{cation} = \mathbb{Z}_{2} \\ \hline{cation} = \mathbb{Z}_{3} \\ \hline{cation} = \mathbb{Z}_{4} \\ c$	$\begin{split} \frac{1}{0} & \\ 1 & \\ X_{BS} = \mathbb{Z}_{2,2} \\ \\ X_{BS} = \mathbb{Z}_{2} \\ \\ \frac{X_{BS} = \mathbb{Z}_{2}}{4^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}}} \end{split}$	$ \frac{1\overline{1}}{2\overline{2}} $ $ 3\overline{3} $ $ SI = z_{2,S_4}, z'_{2P} $ $ \overline{SI} = z'_{2P} $ $ \overline{SI} = z_{2,S_4} $	
$ \begin{array}{c c} 1\\ 2\\ 3\\ \hline \mathbb{Z}_{2,2}\\ 00\\ 01\\ 10\\ 11\\ \hline \mathbb{Z}_{2}\\ 0\\ 1\\ \hline \mathbb{Z}_{2}\\ 0\\ 1\\ \hline \end{array} $	(000) (000) (000) (000) weak (444) (222) (222) (000) weak (000) (000)	$ \begin{array}{c} 1\\ 0\\ 1\\ 88.81\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}\\ 2\\ 2\\ 2\\ 1\\ \hline 0\\ 88\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*\\ 0\\ 1\\ 88\\ 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*\\ 0\\ 1\\ 88\\ 88\\ 6\\ 1\\ 88\\ 88\\ 88\\ 88\\ 88\\ 88\\ 88\\ 88\\ 88\\$	$\begin{array}{c} 0 \\ 0 \\ 0 \\ \hline 0 \\ \hline 14_1/a & 0 \\ \hline i \\ 0 \\ 0 \\ \hline 1 \\ \hline 8.83 & I4_1' \\ \hline 0 \\ \hline 1 \\ \hline 8.85 & I4_1' \\ \hline i \\ \hline 0 \\ 0 \\ \hline \end{array}$	$\begin{array}{c} 1 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline Classification \\ \hline 4 \\ $	$ \begin{array}{c} 1 \\ 0 \\ 1 \\ \hline 1 \\ \hline 1 \\ \hline 2 \\ \hline 2 \\ \hline 4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 1 \\ \hline 1 \\ \hline cation = \mathbb{Z}_2 \\ \hline 4 \\ 0 \\ 1 \\ \hline 0 \\ 0 \\ \hline cation = \mathbb{Z}_2 \\ \hline 4 \\ 0 \\ 0 \\ \hline cation = \mathbb{Z}_2 \\ \hline 4 \\ 0 \\ 0 \\ \hline cation = \mathbb{Z}_2 \\ \hline 1 \\ 0 \\ 0 \\ \hline 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$\frac{1}{0}$ 1 $X_{BS} = \mathbb{Z}_{2,2}$ $X_{BS} = \mathbb{Z}_{2}$ $X_{BS} = \mathbb{Z}_{2}$	$ \frac{1\overline{1}}{2\overline{2}} $ $ 3\overline{3} $ $ SI = z_{2,S_4}, z'_{2P} $ $ \overline{SI} = z'_{2P} $ $ \overline{SI} = z_{2,S_4} $	

		89	.90 P42'2'	Classification = $\mathbb{Z} \times \mathbb{Z}_2$	$X_{DC} = \mathbb{Z}_4$	$SI \equiv \gamma_{AG}$
\mathbb{Z}_4	weak	4^{001}	$\frac{.50 + 1422}{2^{100}}$ *	$\frac{2^{110}*}{2^{110}}$	$\Lambda_{\rm BS} = Z I_4$	SI = 24C
0	$(00\overline{4})$	0	0	0		
0	(000)	0	1	1		
3	$(00\overline{1})$	0	0	0		
2	$(00\overline{2})$	0	0	0		
1	$(00\overline{3})$	0	0	0		
	/ /	90	.98 P42' ₁ 2'	Classification = $\mathbb{Z} \times \mathbb{Z}_2$	$X_{DG} = \mathbb{Z}_4$	$SI = \gamma_{AG}$
\mathbb{Z}_4	weak	$\frac{4^{001}_{\frac{1}{2}\frac{1}{2}0}}{4^{001}_{\frac{1}{2}\frac{1}{2}0}}$	$\frac{2^{100}_{\frac{1}{2}\frac{1}{2}0}*}{2^{100}_{\frac{1}{2}\frac{1}{2}0}}$	$\frac{2^{110}*}{2^{110}}$	21BS — 224	51 – 240
0	(004)	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{-\frac{1}{2}\frac{1}{2}0}{0}$	0		
$\frac{0}{0}$	(004)	0	1	1		
1	(000)	0	0	0		
$\frac{1}{2}$	(002)	0	0	0		
3	(003)	0	0	0		
	(000)	93.12		Classification = $\mathbb{Z} \times \mathbb{Z}_2$	$V_{DG} = \mathbb{Z}_2$	$SI = \gamma \cdot \gamma / 2$
$\overline{\mathbb{Z}_2}$	weak	₄ 001	$\frac{22}{2^{100}}*$	$\frac{2^{110}}{2^{00\frac{1}{2}}} *$	$\Lambda_{\rm BS} = \mathbb{Z}_2$	SI = 24C/2
		$\frac{400\frac{1}{2}}{2}$				
0	(004)	2	0	0		
	(000)	0	1 1	0		
1	(002)	1			37 577	CI /o
	1	94.13		Classification = $\mathbb{Z} \times \mathbb{Z}_2$	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$S1 = z_{4C}/2$
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$			
0	(004)	2	0	0		
0	(000)	0	1	1		
1	(002)	1	0	1		
		97.1		Classification = $\mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{4C}/2$
\mathbb{Z}_2	weak	4^{001}	$2^{100}*$	$2^{110}*$		
0	$(\overline{22}2)$	0	0	0		
0	(000)	0	1	1		
	/	0	1 1	1 1		
0 1	(000)	0 0	1 1	$ \frac{1}{1} $ $ \frac{1}{n'm'} \text{Classification} = \mathbb{Z} $	$X_{\mathrm{BS}} = \mathbb{Z}_4$	$SI = z_{4C}$
$ \begin{array}{c} 0 \\ 1 \\ \hline \mathbb{Z}_4 \end{array} $	(000) (111) weak	$0 \\ 0 \\ 9 \\ 4^{001}$	$ \begin{array}{c} 1 \\ 1 \\ 9.167 P4m \\ \hline m_{100}* \end{array} $	$\frac{1}{n'm'} \frac{1}{\text{Classification}} = \mathbb{Z}$ $m_{110}*$	$X_{\mathrm{BS}} = \mathbb{Z}_4$	$SI = z_{4C}$
$ \begin{array}{c} 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \end{array} $	$\begin{array}{c} (000) \\ \hline (111) \\ \hline \\ \text{weak} \\ \hline (00\overline{4}) \\ \end{array}$	$ \begin{array}{c} 0 \\ 0 \\ \hline 4001 \\ 0 \end{array} $	$ \begin{array}{c c} 1 \\ 0.167 & P4m \\ \hline $	$ \frac{1}{1} $ $ \frac{n'm'}{m_{110}*} $ Classification = \mathbb{Z}	$X_{BS} = \mathbb{Z}_4$	$\mathrm{SI}=z_{4C}$
$ \begin{array}{c} 0\\ 1\\ \hline \\ \mathbb{Z}_4\\ 0\\ 3 \end{array} $		$ \begin{array}{c} 0 \\ 0 \\ \hline & 9 \\ 4^{001} \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} 1 \\ 1 \\ 9.167 & P4n \\ \hline $	$ \frac{1}{1} $ $ \frac{n'm'}{m_{110}*} $ $ 0 $	$X_{BS} = \mathbb{Z}_4$	$\mathrm{SI}=z_{4C}$
$ \begin{array}{c c} \hline 0 \\ \hline 1 \\ \hline & \\ \hline & \\ \hline & \\ 0 \\ \hline & \\ 3 \\ \hline & \\ 2 \end{array} $		0 0 9 4 ⁰⁰¹ 0 0	$ \begin{array}{c c} 1 \\ \hline 1 \\ 9.167 & P4n \\ \hline m_{100}* \\ 0 \\ 0 \\ 0 \end{array} $	$ \frac{1}{1} $ $ \frac{n'm' \text{ Classification} = \mathbb{Z}}{m_{110}*} $ $ 0 $ $ 0 $	$X_{\mathrm{BS}}=\mathbb{Z}_4$	$\mathrm{SI}=z_{4C}$
$ \begin{array}{c} 0\\ 1\\ \hline \\ \mathbb{Z}_4\\ 0\\ 3 \end{array} $		0 0 9 4 ⁰⁰¹ 0 0 0	$ \begin{array}{c c} 1 \\ \hline 0.167 & P4n \\ \hline m_{100}* \\ 0 \\ 0 \\ 0 \end{array} $	$ \frac{1}{1} $ $ \frac{n'm'}{m_{110}*} $ $ 0 $ $ 0 $ $ 0 $ $ 0 $		
$ \begin{array}{c c} 0 \\ \hline 1 \\ \hline & \\ & \\ & \\ & \\ & \\ & \\ & \\ $	$ \begin{array}{c c} \hline (000) \\ \hline (001) \\ \hline (111) \\ \hline \\ $	0 0 9 4 ⁰⁰¹ 0 0 0	$ \begin{array}{c cccc} 1 & & & \\ \hline 1 & & & \\ 9.167 & P4n \\ \hline m_{100}* & & \\ 0 & & & \\ 0 & & & \\ \hline 0 & & & \\ 0 & & & \\ \hline 00.175 & P4 \end{array} $	$ \frac{1}{1} $ $ \frac{n'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{m_{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $		
$ \begin{array}{c c} \hline 0 \\ \hline 1 \\ \hline & \mathbb{Z}_4 \\ 0 \\ \hline 3 \\ \hline 2 \\ \hline 1 \\ \hline & \mathbb{Z}_4 \end{array} $	$ \begin{array}{c c} (000) \\ \hline (111) \\ \hline \\ weak \\ \hline (00\overline{4}) \\ \hline (00\overline{1}) \\ \hline (00\overline{2}) \\ \hline (00\overline{3}) \\ \hline \end{array} $	0 0 9 4 ⁰⁰¹ 0 0 0 0 0 1 4 ⁰⁰¹	$ \begin{array}{c c} 1 \\ \hline 0.167 & P4n \\ \hline m_{100}* \\ 0 \\ 0 \\ 0 \\ \hline 0.175 & P4 \\ g_{\frac{1}{2}\frac{1}{2}0}^{100} * \\ \end{array} $	$\frac{1}{1}$ $\frac{n'm'}{m_{110}} \text{ Classification} = \mathbb{Z}$ $\frac{m_{110}}{0}$ 0 0 0 0 $b'm' \text{ Classification} = \mathbb{Z}$ $g_{\frac{1}{2}\frac{1}{2}0}^{110} *$		
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_4\\ 0\\ \hline 3\\ 2\\ \hline 1\\ \hline \mathbb{Z}_4\\ 0 \end{array} $		0 0 9 4 ⁰⁰¹ 0 0 0 0 1 4 ⁰⁰¹	$ \begin{array}{c c} 1 \\ \hline 1 \\ 9.167 P4n \\ \hline m_{100}* \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0.175 P4 \\ g_{\frac{1}{2}\frac{1}{2}0}^{100}* \\ 0 \\ \end{array} $	$ \frac{1}{1} $ $ n'm' \text{Classification} = \mathbb{Z} $ $ \frac{m_{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ b'm' \text{Classification} = \mathbb{Z} $ $ \frac{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}{0} $		
$ \begin{array}{c c} 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 3 \\ 3 \end{array} $		0 0 9 4 ⁰⁰¹ 0 0 0 0 1 4 ⁰⁰¹ 0	$ \begin{array}{c c} 1 \\ \hline 1 \\ 9.167 P4n \\ \hline m_{100}* \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \frac{1}{1} $ $ \frac{n'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{m_{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ \frac{b'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}{0} $ $ 0 $		
$ \begin{array}{c c} 0 \\ 1 \\ \hline & \\ & \\ & \\ & \\ & \\ & \\ & \\ $		0 0 9 4 ⁰⁰¹ 0 0 0 0 1 4 ⁰⁰¹ 0 0	$ \begin{array}{c c} 1 \\ 1 \\ \hline 0.167 & P4n \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline 0.175 & P4 \\ g_{\frac{1}{2}\frac{1}{2}0}^{100} * \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \frac{1}{1} $ $ \frac{n'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{m_{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ \frac{b'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $		
$ \begin{array}{c c} 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 3 \\ 3 \end{array} $		0 0 9 4 ⁰⁰¹ 0 0 0 0 1 4 ⁰⁰¹ 0 0	$ \begin{array}{c c} 1\\ 1\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	$ \frac{1}{1} $ $ \frac{n'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{m_{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ \frac{b'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $	$X_{BS} = \mathbb{Z}_4$	$\mathrm{SI}=z_{4C}$
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_4\\ 0\\ 3\\ 2\\ 1\\ \hline \mathbb{Z}_4\\ 0\\ 3\\ 2\\ 1\\ \hline \end{array} $	$ \begin{array}{c c} \hline (000) \\ \hline (000) \\ \hline (111) \\ \hline \\ $	0 0 9 4 ⁰⁰¹ 0 0 0 0 14 ⁰⁰¹ 0 0 0	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \frac{1}{1} $ $ \frac{n'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{m_{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ \frac{b'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0$	$X_{BS} = \mathbb{Z}_4$	$\mathrm{SI}=z_{4C}$
$ \begin{array}{c c} 0 \\ 1 \\ \hline & \\ & \\ & \\ & \\ & \\ & \\ & \\ $		$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 4^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c c} 1\\ 1\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	$ \frac{1}{1} $ $ \frac{n'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{m_{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ \frac{b'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $	$X_{BS} = \mathbb{Z}_4$	$\mathrm{SI}=z_{4C}$
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_4\\ 0\\ 3\\ 2\\ 1\\ \hline \mathbb{Z}_4\\ 0\\ 3\\ 2\\ 1\\ \hline \end{array} $	$\begin{array}{c} (000) \\ (000) \\ (111) \\ \hline \\ weak \\ (00\overline{4}) \\ (00\overline{1}) \\ (00\overline{2}) \\ (003) \\ \hline \\ weak \\ (00\overline{4}) \\ (00\overline{1}) \\ (00\overline{2}) \\ (003) \\ \hline \\ \\ weak \\ (00\overline{4}) \\ \end{array}$	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 4^{001}\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \frac{1}{1} $ $ \frac{n'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{m_{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ \frac{b'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0$	$X_{BS} = \mathbb{Z}_4$	$\mathrm{SI}=z_{4C}$
$ \begin{array}{c c} 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \mathbb{Z}_2 \end{array} $	$\begin{array}{c} (000) \\ (111) \\ \hline \\ weak \\ (00\overline{4}) \\ (00\overline{1}) \\ (00\overline{2}) \\ (00\overline{3}) \\ \hline \\ weak \\ (00\overline{4}) \\ (00\overline{1}) \\ (00\overline{2}) \\ (00\overline{3}) \\ \hline \\ weak \\ \end{array}$	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 4^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c c} 1\\ 1\\ \hline 1\\ \hline \\ 9.167 & P4n\\ \hline \\ \\ 0\\ 0\\ \hline \\ 0\\ \hline \\ 0\\ \hline \\ 0\\ 0\\ \hline \\ 0\\ \hline \\ 0\\ 0\\ \hline \\ 1.183 & P4_2o\\ \hline \\ \\ g_{00\frac{1}{2}}^{100}*\\ \hline \\ \\ 0\\ \hline \\ \\ \end{array}$	$ \frac{1}{1} $ $ \frac{n'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{m_{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ \frac{b'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}{0} $ $ 0 $ $ 0 $ $ \frac{b'm'}{m'} \text{Classification} = \mathbb{Z} $	$X_{BS} = \mathbb{Z}_4$	$\mathrm{SI}=z_{4C}$
$ \begin{array}{c} 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \mathbb{Z}_2 \\ 0 \end{array} $	$\begin{array}{c} (000) \\ (000) \\ (111) \\ \hline \\ weak \\ (00\overline{4}) \\ (00\overline{1}) \\ (00\overline{2}) \\ (003) \\ \hline \\ weak \\ (00\overline{4}) \\ (00\overline{1}) \\ (00\overline{2}) \\ (003) \\ \hline \\ \\ weak \\ (00\overline{4}) \\ \end{array}$	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 4^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c c} 1\\ 1\\ \hline 1\\ 9.167 & P4n\\ \hline m_{100}*\\ \hline 0\\ 0\\ 0\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 1.183 & P4_2o\\ \hline g_{100\frac{1}{2}}^{100}*\\ \hline g_{100\frac{1}{2}}^{100}*\\ \hline 0\\ 0\\ 0\\ 0\\ 1.183 & P4_2o\\ \hline g_{100\frac{1}{2}}^{100}*\\ \hline 0\\ 0\\ 0\\ 0\\ 1.183 & P4_2o\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ 1.183 & P4_2o\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	$ \frac{1}{1} $ $ \frac{n'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{m_{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ \frac{b'm'}{2} \text{Classification} = \mathbb{Z} $ $ \frac{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}{0} $ $ 0 $ $ 0 $ $ \frac{b'm'}{0} \text{Classification} = \mathbb{Z} $ $ \frac{m_{110}*}{0} $	$X_{\mathrm{BS}} = \mathbb{Z}_4$ $X_{\mathrm{BS}} = \mathbb{Z}_2$	$\mathrm{SI} = z_{4C}$ $\mathrm{SI} = z_{4C}/2$
$ \begin{array}{c} 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \mathbb{Z}_2 \\ 0 \end{array} $	$\begin{array}{c} (000) \\ (000) \\ (111) \\ \hline \\ weak \\ (00\overline{4}) \\ (00\overline{1}) \\ (00\overline{2}) \\ (003) \\ \hline \\ weak \\ (00\overline{4}) \\ (00\overline{1}) \\ (00\overline{2}) \\ (003) \\ \hline \\ \\ weak \\ (00\overline{4}) \\ \end{array}$	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 4^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c c} 1\\ 1\\ \hline 1\\ 9.167 & P4n\\ \hline m_{100}*\\ \hline 0\\ 0\\ 0\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 1.183 & P4_2o\\ \hline g_{100\frac{1}{2}}^{100}*\\ \hline g_{100\frac{1}{2}}^{100}*\\ \hline 0\\ 0\\ 0\\ 0\\ 1.183 & P4_2o\\ \hline g_{100\frac{1}{2}}^{100}*\\ \hline 0\\ 0\\ 0\\ 0\\ 1.183 & P4_2o\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ 1.183 & P4_2o\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	$ \frac{1}{1} $ $ \frac{n'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{m_{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ \frac{b'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ \frac{b'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{m_{110}*}{m_{110}*} $ $ 0 $ $ 0 $	$X_{\mathrm{BS}} = \mathbb{Z}_4$ $X_{\mathrm{BS}} = \mathbb{Z}_2$	$\mathrm{SI} = z_{4C}$ $\mathrm{SI} = z_{4C}/2$
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_4\\ 0\\ 3\\ 2\\ 1\\ \hline \mathbb{Z}_4\\ 0\\ 3\\ 2\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 1\\ \end{array} $	$\begin{array}{c} (000) \\ (111) \\ \hline \\ (004) \\ (001) \\ (002) \\ (003) \\ \hline \\ (003) \\ \hline \\ (004) \\ (001) \\ (002) \\ (003) \\ \hline \\ \\ (004) \\ (004) \\ (004) \\ (002) \\ \hline \\ \\ (004) \\ \\ \end{array}$	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 4^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c c} 1\\ \hline 1\\ \hline 1\\ \hline \\ 9.167 & P4n\\ \hline \\ m_{100}*\\ \hline \\ 0\\ \hline \\ 1.183 & P4_{20}\\ \hline \\ g_{100\frac{1}{2}}^{100}*\\ \hline \\ \\ 0\\ \hline \\ \\ 0\\ \hline \\ \\ \hline \\ 2\\ \hline \\ \hline \\ 1\\ \hline \end{array}$	$\frac{1}{1}$ $\frac{n'm'}{n'm'} \text{Classification} = \mathbb{Z}$ $\frac{m_{110}*}{0}$ 0 0 0 $\frac{b'm'}{0} \text{Classification} = \mathbb{Z}$ $\frac{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}{0}$ 0 0 $\frac{b'm'}{0} \text{Classification} = \mathbb{Z}$ $\frac{m_{110}*}{0}$ 0 0 0 0 0 0 0 0 0 0	$X_{\mathrm{BS}} = \mathbb{Z}_4$ $X_{\mathrm{BS}} = \mathbb{Z}_2$	$\mathrm{SI} = z_{4C}$ $\mathrm{SI} = z_{4C}/2$
$ \begin{array}{c} 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline \mathbb{Z}_2 \end{array} $		$ \begin{array}{c} 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	$\begin{array}{c c} 1\\ 1\\ \hline 1\\ \hline \\ 9.167 & P4n\\ \hline \\ m_{100}*\\ \hline \\ 0\\ 0\\ \hline \\ 0\\ 0\\ \hline \\ 0\\ \hline \\ 0\\ 0\\ \hline \\ 0\\ 0\\ \hline \\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0$	$ \frac{1}{1} $ $ \frac{n'm'}{m'} \text{Classification} = \mathbb{Z} $ $ \frac{m_{110}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ \frac{b'm'}{0} \text{Classification} = \mathbb{Z} $ $ \frac{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}{0} $ $ 0 $ $ 0 $ $ \frac{b'm'}{0} \text{Classification} = \mathbb{Z} $ $ \frac{m_{110}*}{0} $ $ \frac{b'm'}{0} \text{Classification} = \mathbb{Z} $ $ \frac{m_{110}*}{0} $	$X_{\mathrm{BS}} = \mathbb{Z}_4$ $X_{\mathrm{BS}} = \mathbb{Z}_2$	$\mathrm{SI} = z_{4C}$ $\mathrm{SI} = z_{4C}/2$
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_4\\ 0\\ 3\\ 2\\ 1\\ \hline \mathbb{Z}_4\\ 0\\ 3\\ 2\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0 \end{array} $	$ \begin{array}{c c} (000) \\ \hline (000) \\ \hline (111) \\ \hline \\ weak \\ \hline (00\overline{4}) \\ \hline (00\overline{1}) \\ \hline (00\overline{2}) \\ \hline (00\overline{3}) \\ \hline \\ weak \\ \hline (00\overline{4}) \\ \hline (00\overline{2}) \\ \hline (00\overline{3}) \\ \hline \\ weak \\ \hline (00\overline{4}) \\ \hline (00\overline{2}) \\ \hline \\ weak \\ \hline (00\overline{4}) \\ \hline (00\overline{2}) \\ \hline \end{array} $	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	$\begin{array}{c c} 1\\ \hline 1\\ \hline 1\\ \hline \\ 9.167 & P4n\\ \hline \\ m_{100}*\\ \hline \\ 0\\ 0\\ \hline \\ 0\\ 0\\ \hline \\ 0\\ 0\\ \hline \\ 0\\ 0\\ \hline \\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0$	$\frac{1}{1}$ $\frac{n'm'}{n'} \text{Classification} = \mathbb{Z}$ $\frac{m_{110}*}{0}$ 0 0 0 0 $\frac{b'm'}{0} \text{Classification} = \mathbb{Z}$ $\frac{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}{0}$ 0 0 0 $\frac{b'm'}{0} \text{Classification} = \mathbb{Z}$ $\frac{m_{110}*}{0}$ 0 0 0 0 0 0 0 0 0 0	$X_{BS} = \mathbb{Z}_4$ $X_{BS} = \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$	$SI = z_{4C}$ $SI = z_{4C}/2$ $SI = z_{4C}/2$
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_4\\ 0\\ 3\\ 2\\ 1\\ \hline \mathbb{Z}_4\\ 0\\ 3\\ 2\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 1\\ \end{array} $	$\begin{array}{c} (000) \\ (111) \\ \hline \\ (001) \\ (001) \\ (002) \\ (003) \\ \hline \\ (003) \\ \hline \\ (004) \\ (001) \\ (002) \\ (003) \\ \hline \\ \\ (004) \\ (0002) \\ \hline \\ \\ (004) \\ (0002) \\ \hline \\ \\ \\ (004) \\ (0002) \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{1}{1}$ $\frac{1}{n'm'} \text{Classification} = \mathbb{Z}$ $\frac{m_{110}*}{0}$ 0 0 0 $\frac{b'm'}{0} \text{Classification} = \mathbb{Z}$ $\frac{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}{0}$ 0 0 $\frac{b'm'}{0} \text{Classification} = \mathbb{Z}$ $\frac{m_{110}*}{0}$ 0 $\frac{b'm'}{0} \text{Classification} = \mathbb{Z}$ $\frac{m_{110}*}{0}$ 0 0 0 0 0 0 0 0 0 0	$X_{BS} = \mathbb{Z}_4$ $X_{BS} = \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$	$SI = z_{4C}$ $SI = z_{4C}/2$ $SI = z_{4C}/2$
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_4\\ 0\\ 3\\ 2\\ 1\\ \hline \mathbb{Z}_4\\ 0\\ 3\\ 2\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0 \end{array} $	$ \begin{array}{c c} (000) \\ \hline (000) \\ \hline (111) \\ \hline \\ weak \\ \hline (00\overline{4}) \\ \hline (00\overline{1}) \\ \hline (00\overline{2}) \\ \hline (00\overline{3}) \\ \hline \\ weak \\ \hline (00\overline{4}) \\ \hline (00\overline{2}) \\ \hline (00\overline{3}) \\ \hline \\ weak \\ \hline (00\overline{4}) \\ \hline (00\overline{2}) \\ \hline \\ weak \\ \hline (00\overline{4}) \\ \hline (00\overline{2}) \\ \hline \end{array} $	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	$\begin{array}{c c} 1\\ \hline 1\\ \hline 1\\ \hline \\ 9.167 & P4n\\ \hline \\ m_{100}*\\ \hline \\ 0\\ 0\\ \hline \\ 0\\ 0\\ \hline \\ 0\\ 0\\ \hline \\ 0\\ 0\\ \hline \\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0$	$\frac{1}{1}$ $\frac{n'm'}{n'} \text{Classification} = \mathbb{Z}$ $\frac{m_{110}*}{0}$ 0 0 0 0 $\frac{b'm'}{0} \text{Classification} = \mathbb{Z}$ $\frac{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}{0}$ 0 0 0 $\frac{b'm'}{0} \text{Classification} = \mathbb{Z}$ $\frac{m_{110}*}{0}$ 0 0 0 0 0 0 0 0 0 0	$X_{BS} = \mathbb{Z}_4$ $X_{BS} = \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$	$SI = z_{4C}$ $SI = z_{4C}/2$ $SI = z_{4C}/2$

3	$(00\overline{2})$	0	<u> </u>	<u> </u>				
$\frac{3}{2}$	$(00\overline{4})$	0	$\frac{1}{2}$	$\frac{1}{2}$				
1	$(00\overline{6})$	0	3	3				
	/	104	1.207 P4	n'c' Class	$\operatorname{ification} = \mathbb{Z}$	$X_{DC} = \mathbb{Z}_2$	$SI = z_{AC}/2$	
$\overline{\mathbb{Z}_2}$	weak	4001	$g^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$		1133 22	~40/=	
0	$(00\overline{4})$	0	$\frac{3\frac{1}{2}\frac{1}{2}\frac{1}{2}}{2}$	$\frac{3\frac{1}{2}\frac{1}{2}\frac{1}{2}}{2}$				
1	$(00\overline{2})$	0	$\frac{2}{1}$	$\frac{2}{1}$				
	(/	104.2	$209 P_C 4n$	c Classifi	$cation = \mathbb{Z}_2$	$X_{DG} = \mathbb{Z}_0$	$SI = z_{2,104.209}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{4^{001}}{4^{\frac{1}{2}\frac{1}{2}0}}*$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}$	$g_{00\frac{1}{2}}^{010}*$	1105 22	2,104.209	
0	(000)	1	$\frac{\frac{1}{2}\frac{1}{2}0}{1}$	$\frac{3\frac{1}{2}\frac{1}{2}\frac{1}{2}}{1}$	$00\frac{1}{2}$			
	(000)			-	$\frac{0}{\text{sification} = \mathbb{Z}}$	V 7	$SI = z_{4C}/2$	
$\overline{\mathbb{Z}_2}$	weak	$4_{00\frac{1}{2}}^{001}$	$\frac{1210}{m_{100}*}$	$\frac{m c}{g_{00\frac{1}{2}}^{110}*}$		$A_{\rm BS} = \mathbb{Z}_2$	DI = 24C/2	
0	(004)	$\frac{100\frac{1}{2}}{2}$	0	$\frac{g_{00\frac{1}{2}}}{2}$				
1	(004)	1	0	1				
	(002)				sification = \mathbb{Z}	V 7	SI = ~ /2	
$\overline{\mathbb{Z}_2}$	weak	4001	$\frac{100}{a^{100}}$	$\frac{g^{110}}{g^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}*$		$\Lambda_{\rm BS} = \mathbb{Z}_2$	SI = 24C/2	
		$\frac{4_{00\frac{1}{2}}^{001}}{\overline{2}}$	$g_{\frac{1}{2}\frac{1}{2}0}^{100}*$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2}$				
$\frac{0}{1}$	$ \begin{array}{c c} (00\overline{4}) \\ \hline (00\overline{2}) \end{array} $	$\frac{2}{1}$	0	$\frac{2}{1}$				
1	(002)			-	sification = \mathbb{Z}	V 7//	CI , /2	
$\overline{\mathbb{Z}_2}$	weak	$\frac{107}{4^{001}}$	$\frac{.231}{m_{100}}*$	$\frac{m}{m_{110}}$ *	$sincation = \mathbb{Z}$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{4C}/2$	
$\frac{2}{0}$	$(22\overline{2})$	0	0	0				
1	$(11\overline{1})$	0	0	0				
	/	1(08.237 I4	c'm' Clas	sification = \mathbb{Z}	$X_{DS} = \mathbb{Z}_{4}$	$SI = z'_{4C}$	
$\overline{\mathbb{Z}_4}$	weak	4001	$g_{00\frac{1}{2}}^{100}*$	$g_{00\frac{1}{2}}^{110}*$		1105 224	~4C	
0	$(44\overline{4})$	0	$\frac{300\frac{1}{2}}{4}$	$\frac{300\frac{1}{2}}{4}$				
1	$(11\overline{1})$	0	1	1				
2	$(22\overline{2})$	0	2	2				
3	$(33\overline{3})$	0	3	3				
		110.5	$249 I4_1c'$	d' Classif	$fication = \mathbb{Z}$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,110.249}$	
\mathbb{Z}_2	weak	$4_{0\frac{1}{2}\frac{1}{4}}^{001}$	$g_{00\frac{1}{2}}^{100}*$	$g_{\frac{1}{2}0\frac{1}{4}}^{110}*$				
0	$(44\overline{4})$	$\frac{0}{2}$	4	$\frac{2^{0}4}{2}$				
1	$(22\overline{2})$	1	2	1				
		111	$.251 ext{ } P\overline{42}$	2m Classi	fication = \mathbb{Z}_M	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2.S_4}$	
$\overline{\mathbb{Z}_2}$	weak	$\bar{4}^{001}$	2^{100}	$Cm_{(0)}^{110}$		50 2	2,54	
0	(000)	0	0	$\frac{2\overline{2}}{2}$				
0	(000)	0	0	$2\overline{2}$				
1	(000)	1	0	$1\overline{1}$				
				ssification :	$=\mathbb{Z} imes\mathbb{Z}_2$ X_{B}	$_{\mathrm{BS}}=\mathbb{Z}_{2,2,4}$	$SI = z_{2,Weyl}, z_{2,S_4}, z_{4C}$	
$\mathbb{Z}_{2,2,4}$	weak	$\bar{4}^{001}$	$2^{100}*$	$m_{110}*$				
000	(000)	0	0	0				
000	(004)	0	0	0				
001	(001)	0	0	0				
002	(002)	0	0	0				
$\frac{003}{010}$	(003)	0	0	0				
011	(000)	1	1	0				
012	(001)	1	1	0				
013	(003)	1	1	0				
	/	111	$.256 P_c \overline{4}$	2m Classi	ification = \mathbb{Z}_M	$X_{BS} = \mathbb{Z}_{2}$	$_{2} \text{ SI} = z_{2,S_{4}}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$\bar{4}^{001}$	2100	$Cm_{(0)}^{110}$	<u> </u>	- ≝,∨4	
0	(000)	0	0	0	$\frac{\overline{22}}{2}$			

	(000)								
0	(000)	0	0	0	$2\overline{2}$				
1	(000)	1	1	0	$1\overline{1}$				
		111.	$257 P_C$	12m Class	ification $= 2$	\mathbb{Z}_M	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}$	2^{010}	$Cm_{(0)}^{110}$			-,~4	
0	(000)	0	0	0	$\frac{2\overline{2}}{2}$				
0	(000)	0	0	0	$\frac{22}{2\overline{2}}$				
1	(000)	1	1	0	$\frac{22}{11}$				
	(000)				$ification = \mathbb{Z}$	77	V 77	CT	
	1		$\frac{.258 P_{I}4}{4^{001}}$	$\frac{12m \text{ Classi}}{2^{100}}$		$^{\mathbb{Z}}M$	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$		-	$Cm_{(0)}^{110}$				
0	(000)	0	0	0	$2\overline{2}$				
0	(000)	0	0	0	$2\overline{2}$				
1	(000)	1	1	0	$1\overline{1}$				
					$fication = \mathbb{Z}$	\mathbb{Z}_2	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\bar{4}^{001}$	$2^{100}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{110}$					
0	(000)	0	0	0					
1	(000)	1	0	1					
	/	$12.263 P\bar{4}2$	'c' Class	sification —	$\mathbb{Z}_{1} \times \mathbb{Z}_{12}$ Y	DC -	= 7/2 2 2 SI	$=z_{2,\text{Weyl}}, z_{2,S_4}, z_{4C}/2$	
$\overline{\mathbb{Z}_{2,2,2}}$	weak	$\frac{12.203}{4^{001}}$	$\frac{c}{2_{00\frac{1}{2}}^{100}}*$	$\frac{g_{00\frac{1}{2}}^{110}*}{g_{00\frac{1}{2}}^{10}*}$	ш л Ш2 — Л	BS -	- ш _{2,2,2} ы	\sim 2, weyl, \sim 2, S_4 , \sim 4 C /2	
000	(000)	0	0	$\frac{0}{2}$					
000	$(00\overline{4})$	0	0	$\frac{\overline{2}}{\overline{1}}$					
001	$(00\overline{2})$	0	1	1					
010	(000)	1	1	$\frac{0}{1}$					
011	$(00\overline{2})$	1	0	1					
			2.264 P_c	42c Classi	fication $= \mathbb{Z}$	\mathbb{Z}_2	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$\bar{4}^{001}$	$2^{100}*$	$m_{110}*$				
0	(000)	0	0	0	0				
1	(000)	1	1	1	0				
		112	$2.265 P_{C}$	$\sqrt{42c}$ Class	ification $= 2$	\mathbb{Z}_2	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}$	$g_{00\frac{1}{2}}^{110}$	$2^{010}_{00\frac{1}{2}}$			-,~ -	
0	(000)	0	0	0	00 ½				
1	(000)	1	1	1	0				
	(000)					77	V 777	CT .	
	1		$\frac{2.266}{4001} P_I$	42C Classi		⁴ 2	$X_{BS}=\mathbb{Z}_2$	$S1 = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{00\frac{1}{2}}$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$				
0	(000)	0	0	0	0				
1	(000)	1	0	0	0				
		113.			ification $= 2$	\mathbb{Z}_M	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\bar{4}^{001}$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	$Cm_{(0)}^{110}$				·	-
0	(000)	0	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{\overline{22}}$					
0	(000)	0	0	$\frac{2\overline{2}}{2\overline{2}}$					
1	(000)	1	0	$\frac{\frac{22}{11}}{11}$					
	/ /				77 77	v	77 0	T	
- F777		$\frac{113.271}{4^{001}} \frac{P\bar{4}2}{P\bar{4}}$	$\frac{\epsilon_1 m}{2100}$ Ula	assincation :	$= \angle \!$	Λ_{BS}	$S = \mathbb{Z}_{2,2,4}$ S	$I = z_{2,Weyl}, z_{2,S_4}, z_{4C}$	
$\mathbb{Z}_{2,2,4}$	weak		$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$					_
000	(000)	0	0	0					
000	(004)	0	0	0					
001	(001)	0	0	0					
002	(002)	0	0	0					
003	(003)	0	0	0					
010	(000)	1	1	0					
011	(001)	1	1	0					
012	(002)	1	1	0					
013	(003)	1	1	0					

		119	070 D 4	0 (1	.:C 1:	77	V 77	CI	
	,		$\frac{272 P_c 45}{\bar{4}^{001}}$	$\frac{2_1 m}{2_{111}^{100}}$ Class		$= \mathbb{Z}_M$	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	4001	$2\frac{100}{\frac{1}{2}\frac{1}{2}0}$	$Cm_{(0)}^{110}$				
0	(000)	0	0	0	$2\overline{2}$				
0	(000)	0	0	0	$2\overline{2}$				
1	(000)	1	1	0	11				
		113.		2_1m Class		$=\mathbb{Z}_{M}$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{000}*$	$Cm_{(0)}^{110}$				
0	(000)	0	0	0	$2\overline{2}$				
0	(000)	0	0	0	$2\overline{2}$				
1	(000)	1	0	1	$1\overline{1}$				
		113.	$274 P_I \bar{4}$	2_1m Class	sification =	$=\mathbb{Z}_{M}$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{00\frac{1}{2}}*$	$Cm_{(0)}^{110}$		55 2	2,24	
0	(000)	0	$\frac{\overline{2} \overline{2} \overline{2}}{0}$	$00\frac{1}{2}$	$\frac{\overline{22}}{2}$				
0	(000)	0	0	0	$\frac{\overline{22}}{2}$				
1	(000)	1	0	1	11				
	/ /	11,	$\frac{1}{4} \frac{275}{P^2}$	$\overline{12_1c}$ Class:	ification =	= 7/0	$X_{BS} = \mathbb{Z}_2$	SI = 70 g	
$\overline{\mathbb{Z}_2}$	weak	<u>4</u> 001	$\frac{2^{100}}{2^{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}}{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{10}}$	meation –	- 22	11B5 — 22	$S1 - 22, S_4$	
0	(000)	0	$\frac{-\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0}$					
$\frac{0}{1}$	(000)	1	0	1					
	/				<i>F7</i> / <i>F7</i> /	37	F77 CIT	/9	
		$\frac{14.279}{4^{001}} P\overline{4}2$	$\frac{c}{100}$ Class	sification =	$\mathbb{Z} \times \mathbb{Z}_2$	$\Lambda_{ m BS}$ =	$= \mathbb{Z}_{2,2,2}$ SI	$=z_{2,\text{Weyl}},z_{2,S_4},z_{4C}/2$	
$\mathbb{Z}_{2,2,2}$	weak		$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$					
000	(000)	0	0	0					
000	(004)	0	0	2					
001	(002)	0	1	1					
010	(000)	1	0	0					
011	(002)	1		1				O.T.	
	1			42_1c Class		$= \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$\bar{4}^{001}_{00\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$				
0	(000)	0	0	0	0				
1	(000)	1	0	0	0				
			$.281 \ P_{C}$	$\overline{42}_1c$ Class	sification =	$=\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}$	$2^{010}_{00\frac{1}{2}}*$				
0	(000)	0	0	0	0				
1	(000)	1	0	1	1				
		114	$1.282 P_{I}^{2}$	$\overline{42_1c}$ Class	sification =	$=\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2.S_4}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\bar{4}^{001}$	2 ¹⁰⁰ *	$m_{110}*$		<u> </u>	· -	
0	(000)	0	0	0	0				
1	(000)	1	1	1	0				
		115	$0.283 ext{ } P\overline{4}$	m2 Classi	fication =	\mathbb{Z}_M^2	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2.S_4}$	
\mathbb{Z}_2	weak	$\bar{4}^{001}$	2^{110}	$Cm_{(0)}^{100}$		111		7 1	
0	(000)	0	0	$2\overline{200}$					
0	(000)	0	0	1111					
0	(000)	0	0	1111					
1	(000)	1	0	$1\overline{1}00$					
		$115.287 P\bar{4}$	m'2' Cla	ssification =	$=\overline{\mathbb{Z} imes\mathbb{Z}_2}$	X _{BS}	$=\mathbb{Z}_{2,2,4}$ S	$I = z_{2,Weyl}, z_{2,S_4}, z_{4C}$	
$\mathbb{Z}_{2,2,4}$	weak	$\bar{4}^{001}$	$m_{100}*$	2110*		20	=;=;=	-,····y-/ -,~4/ +0	
000	(000)	0	0	0					
000	(004)	0	0	0					
001	(001)	0	0	0					
002	(002)	0	0	0					
003	(003)	0	0	0					

	()							
010	(000)	1	0	1				
011	(001)	1	0	1				
012	(002)	1	0	1				
013	(003)	1	0	1				
		115	.288 Pc4	4m2 Classi	fication = \mathbb{Z}_N^2	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	<u>4</u> 001	2^{110}	$Cm_{(0)}^{100}$	<u> </u>	2,04	
0	(000)	0	0	0	$\frac{2\overline{200}}{200}$			
0	(000)	0	0	0	$\frac{2200}{1\overline{1}1\overline{1}}$			
	/				1111			
	(000)	0	0	0	$\frac{1111}{1\overline{1}00}$			
1	(000)	1	1					
				4m2 Class	ification = \mathbb{Z}_{Λ}	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}$	2^{110}	$Cm_{(0)}^{010}$			
0	(000)	0	0	0	$2\overline{2}00$			
0	(000)	0	0	0	$2\overline{2}00$			
1	(000)	1	1	0	$1\overline{1}00$			
		115	$.290 P_{I}$	4m2 Classi	ification = \mathbb{Z}_{N}	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\bar{4}^{001}$	2^{110}	$Cm_{(0)}^{010}$	<u> </u>	2,84	
0	(000)	0	0	0	$\frac{2\overline{2}00}{2}$			
0	(000)	0	0	0	$\frac{2\overline{200}}{2\overline{200}}$			
1	(000)	1	1	0	$\frac{2200}{1\overline{1}00}$			
	(000)		C 001 F			V 77	CIT	
F77	1	$\frac{11}{4^{001}}$			fication = \mathbb{Z}_2	$X_{BS} = \mathbb{Z}_2$	$S1 = z_{2,S_4}$	
\mathbb{Z}_2	weak	4001	$g_{00\frac{1}{2}}^{100}$	$2^{110}_{00\frac{1}{2}}$				
0	(000)	0	0	0				
1	(000)	1	1	0				
	1	$16.295 P\overline{4}c$	'2' Clas	sification =	$\mathbb{Z} \times \mathbb{Z}_2$ X_{BS}	$S = \mathbb{Z}_{2,2,2}$ SI	$= z_{2,\text{Weyl}}, z_{2,S_4}, z_{4C}/2$	
$\mathbb{Z}_{2,2,2}$	weak	4001	$g_{00\frac{1}{2}}^{100}*$	$2^{110}_{00\frac{1}{2}}*$, , , , , , , , , , , , , , , , , , , ,	
000	(000)	0	$00\frac{1}{2}$	$00_{\overline{2}}$				
000	(004)	0	2	0				
001	(002)	0		1				
010	(000)	1	0	1				
011	(002)	1	1	0				
011	(002)				· C 1: 77	V 77	CT	
	1			-	fication = \mathbb{Z}_2	$X_{BS} = \mathbb{Z}_2$	$S1 = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$\bar{4}_{00\frac{1}{2}}^{001}*$	$m_{100}*$	$2^{110}_{00\frac{1}{2}}$			
0	(000)	0	0	0	0			
1	(000)	1	0	0	0			
		116	$6.297 P_0$	$\sqrt{4c^2}$ Class	ification = \mathbb{Z}_2	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}$	$2^{110}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{010}$			
0	(000)	0	0	$\frac{00_{\overline{2}}}{0}$	0			
1	(000)	1	1	0	1			
	\					$X_{BS} = \mathbb{Z}_2$	$SI = \gamma_0 g$	
\mathbb{Z}_2	weak		$\frac{0.298}{4^{001}}$			$\Lambda_{\rm BS} - \mathbb{Z}_2$	$\omega_1 - \omega_{2,S_4}$	
		$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$		$g_{00\frac{1}{2}}^{100}$	$2^{110}_{00\frac{1}{2}}$			
0	(000)	0	0	0	0			
1	(000)	1	1	1	0			
				$\overline{4b2}$ Classi	$fication = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\bar{4}^{001}$	$g_{\frac{1}{2}\frac{1}{2}0}^{100}$	$2^{110}_{rac{1}{2}rac{1}{2}0}$				
0	(000)	0	$\frac{2}{0}$	0				
1	(000)	1	1	0				
		$117.303 P\bar{4}$	b'2' Cla	ssification -	= 7/4 × 7/10 X -	$g_{\rm c} = \mathbb{Z}_{2,2,4}$	$I = z_{2,Weyl}, z_{2,S_4}, z_{4C}$	
$\mathbb{Z}_{2,2,4}$	weak	$\frac{117.505}{4^{001}}$	$\frac{g_{\frac{1}{2}\frac{1}{2}0}^{100}}{g_{\frac{1}{2}\frac{1}{2}0}^{100}}*$	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}*}{2^{110}_{\frac{1}{2}\frac{1}{2}0}}$		55 - 22,2,4	~2, vvey1, ~2,S ₄ , ~4C	
			$9\frac{1}{2}\frac{1}{2}0$					
000	(000)	0	0	0				
000	(004)	0	0	0				

001	(001)	0	0	0					
002	(002)	0	0	0					
003	(003)	0	0	0					
010	(000)	1	0	1					
011	(001)	1	0	1					
012	(002)	1	0	1					
013	(003)	1	0	1					
		11	${7.304}$	$P_c \bar{4}b2$ Classi	fication =	7/2	$X_{BS} = \mathbb{Z}_2$	$SI = z_2 s$.	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$\bar{4}^{001}$	$g_{\frac{1}{2}\frac{1}{2}0}^{100}$	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$		<u> </u>	2,04	
0	(000)	0	0	$0 = \frac{3 \frac{1}{2} \frac{1}{2}0}{0}$	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$				
1	(000)	1	1	1	0				
	(000)					7 77	V 77	CI	
- 777	1		$\frac{1.300}{4.001}$	$C_C \bar{4}b2$ Class		= <i>L</i> ₂	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_2$	$S1 \equiv z_{2,S_4}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$m_{010}*$				
0	(000)	0	0	0	0				
1	(000)	1	0	0	0				
		11'	7.306 <i>I</i>	$P_I \bar{4}b2$ Classi		\mathbb{Z}_2	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\bar{4}^{001}$	$g_{00\frac{1}{2}}^{100}*$	$2^{110}_{00\frac{1}{2}}*$				
0	(000)	0	0	0	0				
1	(000)	1	1	0	1				
	/	11	8.307	$P\bar{4}n2$ Classi	fication —	7.0	$X_{pq} = \mathbb{Z}_2$	$SI - \gamma_0 g$	
\mathbb{Z}_2	weak	$\frac{11}{4^{001}}$	$g_{\frac{1}{3},\frac{1}{3},\frac{1}{3}}^{100}$	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{\frac{1}{2}\frac{1}{2}}}$		<i>2</i> 2/2	11BS — 222	z_{2,S_4}	
			444						
0	(000)	0	0	0					
1	(000)		1						
		$18.311 P\bar{4}n$	'2' Cla	ssification =	$\mathbb{Z} \times \mathbb{Z}_2$	X_{BS}	$=\mathbb{Z}_{2,2,2}$ SI	$= z_{2,\text{Weyl}}, z_{2,S_4}, z_{4C}/2$	
$\mathbb{Z}_{2,2,2}$	weak	$\overline{4}^{001}$	$g^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$					
000	(000)	0	0	0					
000	(004)	0	2	0					
001	(002)	0	1	1					
010	(000)	1	0	1					
011	(002)	1	1	0					
		118	8.312 <i>I</i>	$P_c \bar{4}n2$ Classi	ification =	\mathbb{Z}_2	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$\bar{4}_{00\frac{1}{2}}^{001} *$	$g_{\frac{1}{2}\frac{1}{2}0}^{100}*$	$2^{110}_{rac{1}{2}rac{1}{2}rac{1}{2}}$, 1	
0	(000)				4111				
1	(0 0 0)	0							
	(000)	0	0	0	$\frac{2\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$				
	(000)	1	0 0	0 0	0	- 7.~	Ypg - 7/2	$SI - r_0 c$	
7.0	,	1 118	0 0 8.313 <i>F</i>	0 0 $C = \sqrt{4n^2 - Class}$	$\frac{0}{0}$ ification =	$=\mathbb{Z}_2$	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
\mathbb{Z}_2	weak	$\frac{1}{\{1 \frac{1}{2}\frac{1}{2}0\}*}$	$ \begin{array}{c} 0 \\ 0 \\ \hline 8.313 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0} * \end{array} $	$\begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 2 \\ \hline 2 \\ \frac{110}{2 \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}} \end{array}$	$\frac{0}{0}$ $\frac{0}{\text{ification}} = \frac{g_{00\frac{1}{2}}^{010} *}{g_{00\frac{1}{2}}^{010} *}$	$=\mathbb{Z}_2$	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
0	weak (000)	$ \begin{array}{r} 1 \\ \hline 118 \\ \hline \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \end{array} $	$ \begin{array}{r} 0 \\ 0 \\ 8.313 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \end{array} $	$\begin{array}{c} 0\\ 0\\ 0\\ \hline \\ 2\frac{110}{2\frac{1}{2}\frac{1}{2}}\\ 0\\ \end{array}$	$ \frac{0}{0} $ ification = $ \frac{g_{00\frac{1}{2}}^{010} *}{0} $	$=\mathbb{Z}_2$	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
	weak	$ \begin{array}{r} 1 \\ 118 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ \hline 3.313 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 0\\ 0\\ 0\\ \hline \\ P_C 4n2 \text{Class}\\ \frac{2\frac{110}{12\frac{1}{2}}}{\frac{1}{2}\frac{1}{2}}\\ 0\\ 0\\ \end{array}$, <u>-</u>	
0 1	weak (000) (000)	$ \begin{array}{r} 1 \\ 118 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ \hline 3.313 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \\ 8.314 F \end{array} $	$\frac{0}{0}$ $\frac{0}{0}$ $\frac{1}{2}\sqrt{4}$ $\frac{1}{2}\sqrt{1}\sqrt{2}$ $\frac{1}{2}\sqrt{1}\sqrt{2}$ 0 0 0 0 0 0 0			$X_{\mathrm{BS}} = \mathbb{Z}_2$ $X_{\mathrm{BS}} = \mathbb{Z}_2$, <u>-</u>	
0	weak (000)	$ \begin{array}{r} 1 \\ 118 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ \hline 3.313 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \end{array} $	$0 \ 0 \ 0$ $P_C 4n2 \ \text{Class}$ $2 \frac{110}{\frac{1}{2} \frac{1}{2} \frac{1}{2}} \ 0$ $0 \ 0$ $P_I 4n2 \ \text{Class}$ $m_{100} *$, <u>-</u>	
0 1	weak (000) (000) weak (000)	$ \begin{array}{r} 1 \\ 118 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ \hline 3.313 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \\ 8.314 F \end{array} $	$0 \ 0$ $P_C \overline{4}n2 \text{ Class}$ $2 \frac{110}{\frac{1}{2} \frac{1}{2} \frac{1}{2}}{0}$ 0 0 $P_I \overline{4}n2 \text{ Class}$ $m_{100} *$ 0				, <u>-</u>	
$ \begin{array}{c} 0 \\ 1 \end{array} $ $ \mathbb{Z}_2 $	weak (000) (000) weak	$ \begin{array}{c} 1 \\ 118 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 1 \\ 118 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ 8.313 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \\ \hline 8.314 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} * \end{array} $	$0 \ 0 \ 0$ $P_C 4n2 \ \text{Class}$ $2 \frac{110}{\frac{1}{2} \frac{1}{2} \frac{1}{2}} \ 0$ $0 \ 0$ $P_I 4n2 \ \text{Class}$ $m_{100} *$	$\begin{array}{c} 0\\ 0\\ \hline 0\\ \hline \\ ification =\\ g^{010}_{00\frac{1}{2}}*\\ 0\\ \hline \\ 0\\ \hline \\ ification =\\ 2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \end{array}$, <u>-</u>	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ \end{array} $	weak (000) (000) weak (000)	$ \begin{array}{c} 1 \\ 118 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 118 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ 8.313 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \\ \hline 8.314 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c c} \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline \\ \hline 2 & \text{Class} \\ \hline 2 & \frac{110}{\frac{1}{2} & \frac{1}{2} & \frac{1}{2}}{\frac{1}{2}} \\ \hline 0 \\ \hline 0 \\ \hline \hline P_I \overline{4} n 2 & \text{Class} \\ \hline m_{100} * \\ \hline 0 \\ \hline \end{array}$	$\begin{array}{c} 0\\ 0\\ \hline 0\\ \hline \\ 0\\ \hline \\ g^{010}_{00\frac{1}{2}}*\\ 0\\ \hline \\ 0\\ \hline \\ 0\\ \hline \\ \\ ification =\\ 2^{110}_{\frac{1}{2}\frac{1}{2}}\\ 0\\ \\ \end{array}$	$=\mathbb{Z}_2$	$X_{\mathrm{BS}}=\mathbb{Z}_2$, <u>-</u>	
$ \begin{array}{c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 1\\ \end{array} $	weak (000) (000) weak (000)	$ \begin{array}{c} 1 \\ 118 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 118 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ 8.313 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \\ \hline 8.314 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 0\\ 0\\ \hline 0\\ \hline \\ ification =\\ g^{010}_{00\frac{1}{2}}*\\ 0\\ 0\\ \hline \\ ification =\\ 2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}\\ 0\\ 0\\ \end{array}$	$=\mathbb{Z}_2$	$X_{\mathrm{BS}}=\mathbb{Z}_2$	$SI = z_{2,S_4}$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ \end{array} $	weak (000) (000) weak (000) (000)	$ \begin{array}{c} 1 \\ 118 \\ 11 \\ 11 \\ 118 \\ 118 \\ 11 \\ 11$	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 8.313 F \\ 4\frac{001}{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \\ 8.314 F \\ 4\frac{001}{\frac{1}{2}\frac{1}{2}\frac{1}{2}} * \\ 0 \\ 0 \\ 0.315 I \end{array} $	$\begin{array}{c c} \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline \\ \hline 2 & \text{Class} \\ \hline 2 & \frac{110}{\frac{1}{2} & \frac{1}{2} & \frac{1}{2}}{\frac{1}{2}} \\ \hline 0 \\ \hline 0 \\ \hline \hline P_I \overline{4} n 2 & \text{Class} \\ \hline m_{100} * \\ \hline 0 \\ \hline \end{array}$	$\begin{array}{c} 0\\ 0\\ \hline 0\\ \hline \\ ification =\\ g^{010}_{00\frac{1}{2}}*\\ 0\\ 0\\ \hline \\ ification =\\ 2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}\\ 0\\ 0\\ \end{array}$	$=\mathbb{Z}_2$	$X_{\mathrm{BS}}=\mathbb{Z}_2$	$SI = z_{2,S_4}$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 1\\ \hline \mathbb{Z}_2 \end{array} $	weak (000) (000) (000) weak (000) (000)	$ \begin{array}{c} 1 \\ 118 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 1 \\ \hline 118 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 1 \\ \hline 4001 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ \hline 0 \\ 8.313 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \\ \hline 8.314 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} * \\ 0 \\ 0 \\ \hline 0.315 I \\ 2^{110} \end{array} $	$\begin{array}{c c} \hline 0 \\ 0 \\ \hline 2_C 4n2 & \text{Class} \\ \hline 2_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110} \\ \hline 0 \\ \hline 4m2 & \text{Classif} \\ \hline Cm_{(0)}^{010} \\ \hline \end{array}$	$\begin{array}{c} 0\\ 0\\ \hline 0\\ \hline \\ ification =\\ g^{010}_{00\frac{1}{2}}*\\ 0\\ 0\\ \hline \\ ification =\\ 2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}\\ 0\\ 0\\ \end{array}$	$=\mathbb{Z}_2$	$X_{\mathrm{BS}}=\mathbb{Z}_2$	$SI = z_{2,S_4}$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ \end{array} $	weak (000) (000) weak (000) (000) weak (000) (000)	$ \begin{array}{c} 1 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 1 \\ \hline 118 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 1 \\ \hline 4001 \\ 0 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 3.313 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \\ 8.314 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}2} * \\ 0 \\ 0 \\ 0.315 I \\ 2^{110} \\ 0 \end{array} $	$\begin{array}{c c} \hline 0 \\ \hline C4n2 & Class \\ \hline 2\frac{110}{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \\ \hline 0 \\ \hline 0 \\ \hline \hline 0 \\ \hline 4m2 & Classif \\ \hline Cm^{010}_{(0)} \\ \hline 22 \\ \hline 22 \\ \hline \end{array}$	$\begin{array}{c} 0\\ 0\\ \hline 0\\ \hline \\ ification =\\ g^{010}_{00\frac{1}{2}}*\\ 0\\ 0\\ \hline \\ ification =\\ 2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}\\ 0\\ 0\\ \end{array}$	$=\mathbb{Z}_2$	$X_{\mathrm{BS}}=\mathbb{Z}_2$	$SI = z_{2,S_4}$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 0 \end{array} $	weak (000) (000) weak (000) (000) weak (000) (000) (000)	$ \begin{array}{c} 1 \\ 118 \\ 118 \\ 118 \\ 0 \\ 1 \\ 118 \\ 118 \\ 0 \\ 1 \\ 119 \\ 4001 \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 3.313 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \\ 8.314 F \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} * \\ 0 \\ 0 \\ 0.315 F \\ 2^{110} \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c c} \hline 0 \\ 0 \\ \hline \\ \hline$	$ \frac{0}{0} $ $ \frac{0}{0} $ ification = $ \frac{g_{00\frac{1}{2}}^{010} *}{0} $ 0 ification = $ \frac{2\frac{110}{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} $ 0 fication =	\mathbb{Z}_M	$X_{BS} = \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$ $SI = z_{2,S_4}$	
$ \begin{array}{c c} 0 \\ 1 \\ \hline \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \end{array} $	weak (000) (000) weak (000) (000) weak (000) (000) (000)	$ \begin{array}{c} 1 \\ 118 \\ 118 \\ 118 \\ 0 \\ 1 \\ \hline 118 \\ 118 \\ 118 \\ 119 \\ 11$	$ \begin{array}{c c} 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 3.313 & F \\ \hline 4\frac{001}{2 \frac{1}{2} 0} * \\ \hline 0 \\ \hline 0 \\ \hline 8.314 & F \\ \hline 4\frac{4001}{2 \frac{1}{2} \frac{1}{2}} * \\ \hline 0 \\ \hline 0 \\ \hline 0.315 & I \\ \hline 2^{110} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c cccc} \hline 0 & 0 & 0 \\ \hline 0 & 0 & 0 \\ \hline P_C 4n2 & Class \\ \hline 2\frac{110}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \\ \hline 0 & 0 & 0 \\ \hline P_I 4n2 & Class \\ \hline m_{100}* & 0 & 0 \\ \hline 4m2 & Class \\ \hline Cm_{(0)}^{010} & 2\overline{2} & 0 \\ \hline 2\overline{2} & 1\overline{1} & 0 & 0 \\ \hline assification = & 0 & 0 & 0 \\ \hline \end{array} $	$ \frac{0}{0} $ $ \frac{0}{0} $ ification = $ \frac{g_{00\frac{1}{2}}^{010} *}{0} $ 0 ification = $ \frac{2\frac{110}{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} $ 0 fication =	\mathbb{Z}_M	$X_{BS} = \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_{2,2,2} \end{array} $	weak (000) (000) weak (000) (000) weak (000) (000) (000) 1 weak	$ \begin{array}{r} 1 \\ 118 \\ 118 \\ 118 \\ 0 \\ 1 \end{array} $ $ \begin{array}{r} 118 \\ 119 \\ 1$	$\begin{array}{c} 0\\ 0\\ 0\\ \hline 0\\ 8.313 & F\\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0}*\\ 0\\ 0\\ \hline 8.314 & F\\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*\\ 0\\ 0\\ 0\\ \hline 0.315 & F\\ \hline 2^{110}\\ 0\\ 0\\ \hline 0\\ 0\\ \hline 2'2' & Cla\\ m_{100}*\\ \end{array}$	$\begin{array}{c c} 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline \\ P_C 4n2 \text{ Class} \\ \hline 2\frac{110}{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \\ 0 \\ 0 \\ \hline \\ O \\ \hline 0 \\ \hline 4m2 \text{ Classif} \\ \hline Cm^{010}_{(0)} \\ \hline 2\frac{1}{2} \\ \hline 2\frac{1}{2} \\ \hline 11 \\ \hline \\ assification = \\ \hline 2^{110}* \\ \end{array}$	$ \frac{0}{0} $ $ \frac{0}{0} $ ification = $ \frac{g_{00\frac{1}{2}}^{010} *}{0} $ 0 ification = $ \frac{2\frac{110}{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} $ 0 fication =	\mathbb{Z}_M	$X_{BS} = \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$ $SI = z_{2,S_4}$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \end{array} $	weak (000) (000) weak (000) (000) weak (000) (000) (000)	$ \begin{array}{c} 1 \\ 118 \\ 118 \\ 118 \\ 0 \\ 1 \\ \hline 118 \\ 118 \\ 118 \\ 119 \\ 11$	$ \begin{array}{c c} 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 3.313 & F \\ \hline 4\frac{001}{2 \frac{1}{2} 0} * \\ \hline 0 \\ \hline 0 \\ \hline 8.314 & F \\ \hline 4\frac{4001}{2 \frac{1}{2} \frac{1}{2}} * \\ \hline 0 \\ \hline 0 \\ \hline 0.315 & I \\ \hline 2^{110} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c cccc} \hline 0 & 0 & 0 \\ \hline 0 & 0 & 0 \\ \hline P_C 4n2 & Class \\ \hline 2\frac{110}{\frac{1}{2}\frac{1}{2}\frac{1}{2}} & 0 & 0 \\ \hline 0 & 0 & 0 \\ \hline P_I 4n2 & Class \\ \hline m_{100}* & 0 & 0 \\ \hline 4m2 & Class \\ \hline Cm_{(0)}^{010} & 2\overline{2} & 0 \\ \hline 2\overline{2} & 1\overline{1} & 0 \\ \hline assification = & 0 \end{array} $	$ \frac{0}{0} $ $ \frac{0}{0} $ ification = $ \frac{g_{00\frac{1}{2}}^{010} *}{0} $ 0 ification = $ \frac{2\frac{110}{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} $ 0 fication =	\mathbb{Z}_M	$X_{BS} = \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$ $SI = z_{2,S_4}$	

010	(000)	1	0	1					
		11		m2 Classi	ification = \mathbb{Z}	$\overline{\mathrm{X}_{\mathrm{BS}}} =$	$=\mathbb{Z}_2$ $\mathrm{SI}=z_2$	$2.S_4$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}$	2^{110}	$Cm_{(0)}^{010}$			<i>r</i> •	
0	(000)	0	0	0	$2\overline{2}$				
0	(000)	0	0	0	$2\overline{2}$				
1	(000)	1	1	0	$1\overline{1}$				
		1	20.321 I	$\overline{4}c2$ Classi	$\overline{\text{fication}} = \overline{\mathbb{Z}_2}$	$X_{BS} =$	\mathbb{Z}_2 SI = $z_{2,1}$	S _A	
\mathbb{Z}_2	weak	$\bar{4}^{001}$	$g_{00\frac{1}{2}}^{100}$	$2^{110}_{00\frac{1}{2}}$		<u> </u>		04	
0	(000)	0	0	$00_{\overline{2}}$					
1	(000)	1	1	0					_
	/	$120.325 I \bar{4}$	c'2' Class	sification =	$\mathbb{Z}_{1}\times\mathbb{Z}_{12}$ \mathbb{X}_{1}	$g_{\rm c} = \mathbb{Z}_{0.0.0}$	$SI = z_{2,Wey}$	1 70 G 74 G /	72
$\overline{\mathbb{Z}_{2,2,2}}$	weak	$\frac{120.020}{4^{001}}$	$\frac{g_{00\frac{1}{2}}^{100}*}{g_{00\frac{1}{2}}^{100}*}$	$\frac{2^{110}_{00\frac{1}{2}}*}{2^{10}_{00\frac{1}{2}}}$	<u> </u>	35 — 22,2,2	$z_1 = z_2, \text{wey}$	$71, 2, 5_4, 240/$	
$\frac{222,2,2}{000}$	(000)	0	$\frac{g_{00\frac{1}{2}}}{0}$	$\frac{2_{00\frac{1}{2}}}{0}$					
000	(1111)	0	1	1					
010	(000)	1	0	1					
	(000)				:C 1: 77	v	77 CI		
77	**** 1*		$\frac{20.326}{4001} I_c$		ification = \mathbb{Z}	$_{2}$ $\Lambda_{\mathrm{BS}} =$	\mathbb{Z}_2 SI = z_2 ,	S_4	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}_{00\frac{1}{2}}*$	$2_{00\frac{1}{2}}^{110}$	$m_{010}*$				
0	(000)	0	0	0	0				
1	(000)	1	0	0	0				
	_				$fication = \mathbb{Z}_{j}$	$_{M}$ $X_{BS} =$	$=\mathbb{Z}_2$ $\mathrm{SI}=z_2$	$2,S_4$	
\mathbb{Z}_2	weak	$\bar{4}^{001}$	2^{100}	$Cm_{(0)}^{110}$					
0	(000)	0	0	$2\overline{2}$					
0	(000)	0	0	$2\overline{2}$					
1	(000)	1	0	$1\overline{1}$					
			2'm' Clas		$\mathbb{Z} \times \mathbb{Z}_2$ X	$\overline{\mathbb{B}_{\mathrm{S}}} = \mathbb{Z}_{2,2,2}$	$SI = z_{2,We}$	$\overline{y_1, z_2, S_4}, z_{4C}$	/2
$\mathbb{Z}_{2,2,2}$	weak	$\bar{4}^{001}$	$2^{100}*$	$m_{110}*$					
000	(000)	0	0	0		·			
000	$(11\overline{1})$	0	0	0					
010	(000)	1	1	0					
			$1.332 I_c 4$	12m Classi	ification = \mathbb{Z}	$_{M}$ X_{BS} =	$=\mathbb{Z}_2$ $\mathrm{SI}=z_2$	2,S4	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}$	2^{010}	$Cm_{(0)}^{110}$			<u> </u>	
0	(000)	0	0	0	$2\overline{2}$				
0	(000)	0	0	0	$2\overline{2}$				
1	(000)	1	1	0	$1\overline{1}$				
			22.333 I		$fication = \mathbb{Z}_2$	$_{2}$ $X_{\mathrm{BS}} =$	\mathbb{Z}_2 SI = $z_{2,}$	S_4	
\mathbb{Z}_2	weak	$\bar{4}^{001}$	$2^{100}_{0\frac{1}{2}\frac{1}{4}}$	$g_{0\frac{1}{2}\frac{1}{4}}^{110}$,		
0	(000)	0	$\frac{0}{0}$	0					
1	(000)	1	0	1					
		122.337	$I\bar{4}2'd'$	Classificatio	$n = \mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}$	$S_{2,2}$ $SI = z_{2,1}$	Weyl, $z_2 s_4$	
$\overline{\mathbb{Z}_{2,2}}$	weak	$\frac{1221001}{4^{001}}$	$2^{100}_{0\frac{1}{2}\frac{1}{4}}*$	$g_{0\frac{1}{2}\frac{1}{4}}^{110}*$. – 2	D.,	_, 2,	,,oy1,-2,04	
00	(000)	0	$\frac{0\frac{1}{2}\frac{1}{4}}{0}$	0					
00	$(22\overline{2})$	0	1	1					
01	(000)	1	1	0					
	(, , ,)				ification = \mathbb{Z}	2 Y 7 7 -	\mathbb{Z}_2 SI = z_2	<i>a</i>	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{22.336}{4^{001}}$	$\frac{g_{0\frac{1}{2}\frac{1}{4}}^{110}}{g_{0\frac{1}{2}\frac{1}{4}}^{110}}$	1000000000000000000000000000000000000	2 ABS —	ω_2 DI $ \omega_2$,54	
	(000)				$\frac{2_{0\frac{1}{2}\frac{1}{4}}}{0}$				
$\frac{0}{1}$	(000)	$\frac{0}{1}$	0	$\frac{0}{1}$	0				
	(000)					V 577	OT '	+	
F?			$\frac{P4/mmm}{2^{100}}$		$\lim_{\Omega \to 0} = \mathbb{Z}_M^{\mathfrak{d}}$	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_2$	$_{,4,8}$ SI = z'_{2I}	$z_{1}, z_{4m,\pi}, z_{8}$	<u> </u>
$\mathbb{Z}_{2,4,8}$	weak	4^{001}	2^{100}	i	2^{110}	$\bar{4}^{001}$	$Cm_{(2)}^{100}$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{1\bar{1}0}$
000	(000)	0	0	0	0	0	$\overline{6}62\overline{2}$	8800	88
000	(000)	0	0	0	0	0	8800	$\overline{4}44\overline{4}$	88

000	(000)	0	0	0	0	0	8800	8800	88	
000	(000)	0	0	0	0	0	$\overline{4}4\overline{2}2$	$\overline{4}400$	$\overline{4}4$	
000	(000)	0	0	0	0	0	$\overline{2}200$	$\overline{4}4\overline{4}4$	$\overline{2}2$	
000	(000)	0	0	0	0	0	$\overline{4}400$	$\overline{4}400$	$\overline{2}2$	
003	(000)	0	0	1	0	1	$1\overline{1}00$	$1\overline{1}00$	$1\overline{1}$	
006	(000)	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	$2\overline{2}$	
001	(000)	0	0	1	0	1	3300	$3\overline{3}00$	$3\overline{3}$	
004	(000)	0	0	0	0	0	$4\overline{4}00$	$4\overline{4}00$	$4\overline{4}$	
007	(000)	0	0	1	0	1	$5\overline{5}00$	$5\overline{5}00$	$5\overline{5}$	
002	(000)	0	0	0	0	0	6600	6600	66	
005	(000)	0	0	1	0	1	7700	$7\overline{7}00$	$\frac{77}{7}$	
010	(000)	0	0	0	0	0	$\frac{1}{2}200$	1111	$\frac{1}{2}$ 2	
013	(000)	0	0	1	0	1	1100	$001\overline{1}$	<u>1</u> 1	
016	(000)	0	0	0	0	0	0000	1111	00	
011	(000)	0	0	1	0	1	$\frac{1\overline{1}00}{1}$	$2\overline{2}1\overline{1}$	$\frac{\overline{11}}{11}$	
014	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{2}$	3311	$\frac{11}{2\overline{2}}$	
$\frac{-017}{017}$	(000)	0	0	1	0	1	$\frac{2200}{3\overline{3}00}$	$\frac{4\overline{4}1\overline{1}}{4\overline{4}}$	$\frac{22}{3\overline{3}}$	
012	(000)	0	0	0	0	0	$\frac{3500}{4\overline{4}00}$	$\frac{5\overline{5}1\overline{1}}{5}$	$\frac{35}{4\overline{4}}$	
015	(000)	0	0	1	0	1	$\frac{4400}{5500}$	$\frac{6611}{6611}$	$\frac{44}{5\overline{5}}$	
020	(000)	0	0	0	0	0	$\frac{3500}{4400}$	$\frac{\overline{2}22\overline{2}}{\overline{2}}$	$\frac{33}{44}$	
$\frac{020}{023}$	(000)	0	0	1	0	1	$\frac{4400}{3300}$	$\frac{2222}{\overline{1}12\overline{2}}$	33	
$\frac{023}{026}$	(000)	0	0	0	0	0	$\frac{3300}{2200}$	$\frac{1122}{002\overline{2}}$	$\frac{33}{22}$	
$\frac{020}{021}$	(000)	0	0	1	0	1	$\frac{2200}{1100}$	$\frac{0022}{1\overline{1}2\overline{2}}$	$\frac{22}{11}$	
$\frac{021}{024}$	(000)	0		0	0	0	0000	$\frac{1122}{2\overline{2}2\overline{2}}$	00	
	\ /		0					$\frac{2\overline{2}\overline{2}}{3\overline{3}2\overline{2}}$	11	
027	(000)	0	0	1	0	1	$\frac{1\overline{1}00}{2\overline{2}00}$	$\frac{3322}{4\overline{4}2\overline{2}}$	$\frac{11}{2\overline{2}}$	
022	(000)	0	0	0	0	0	$2\overline{2}00$			
025	(000)	0	0	1	0	1	3300	$\frac{5\overline{5}2\overline{2}}{\overline{3}22\overline{2}}$	33	
030	(000)	0	0	0	0	0	<u>6600</u>	3333	<u>6</u> 6	
033	(000)	0	0	$\frac{1}{2}$	0	1	<u>5</u> 500	$\overline{2}23\overline{3}$	<u>5</u> 5	
036	(000)	0	0	0	0	0	<u>4400</u>	1133	$\frac{\overline{44}}{\overline{99}}$	
031	(000)	0	0	1	0	1	3300	0033	33	
034	(000)	0	0	0	0	0	$\frac{\overline{2}200}{\overline{1}100}$	$1\overline{1}3\overline{3}$	<u>2</u> 2	
037	(000)	0	0	1	0	1	1100	$2\overline{2}3\overline{3}$	11	
032	(000)	0	0	0	0	0	0000	3333	00	
035	(000)	0	0	1	0	1	1100	$4\overline{4}3\overline{3}$	11	
100	(000)	0	0	0	0	0	3311	4400	$\overline{4}4$	
103	(000)	0	0	1	0	1	$\overline{2}21\overline{1}$	3300	33	
106	(000)	0	0	0	0	0	<u>1111</u>	$\frac{\overline{2}200}{}$	$\overline{2}2$	
101	(000)	0	0	1	0	1	$001\overline{1}$	$\overline{1}100$	<u>1</u> 1	
104	(000)	0	0	0	0	0	$1\overline{1}1\overline{1}$	0000	00	
107	(000)	0	0	1	0	1	$2\overline{2}1\overline{1}$	$1\overline{1}00$	$1\overline{1}$	
102	(000)	0	0	0	0	0	$3\overline{3}1\overline{1}$	$2\overline{2}00$	$2\overline{2}$	
105	(000)	0	0	1	0	1	$4\overline{4}1\overline{1}$	$3\overline{3}00$	$3\overline{3}$	
110	(000)	0	0	0	0	0	$\overline{5}51\overline{1}$	$551\overline{1}$	6 6	
113	(000)	0	0	1	0	1	$\overline{4}41\overline{1}$	$\overline{4}41\overline{1}$	$\overline{5}5$	
116	(000)	0	0	0	0	0	$\overline{3}31\overline{1}$	$\overline{3}31\overline{1}$	$\overline{4}4$	_
111	(000)	0	0	1	0	1	$\overline{2}21\overline{1}$	$\overline{2}21\overline{1}$	$\overline{3}3$	
114	(000)	0	0	0	0	0	$\overline{1}11\overline{1}$	$\overline{1}11\overline{1}$	$\overline{2}2$	
117	(000)	0	0	1	0	1	$001\overline{1}$	$001\overline{1}$	1 1	
112	(000)	0	0	0	0	0	$1\overline{1}1\overline{1}$	$1\overline{1}1\overline{1}$	00	
115	(000)	0	0	1	0	1	$2\overline{2}1\overline{1}$	$2\overline{2}1\overline{1}$	$1\overline{1}$	
120	(000)	0	0	0	0	0	$\overline{7}71\overline{1}$	$\overline{6}62\overline{2}$	88	
123	(000)	0	0	1	0	1	$\overline{6}61\overline{1}$	$\overline{5}52\overline{2}$	77	
126	(000)	0	0	0	0	0	$\overline{5}51\overline{1}$	$\overline{4}42\overline{2}$	6 6	
121	(000)	0	0	1	0	1	$\overline{4}41\overline{1}$	$\overline{3}32\overline{2}$	$\overline{5}5$	
	/									

124	(000)	0	0	0	0	0	$\overline{3}31\overline{1}$	$\overline{2}22\overline{2}$	$\overline{4}4$	
127	(000)	0	0	1	0	1	$\overline{2}21\overline{1}$	$\overline{1}12\overline{2}$	33	
122	(000)	0	0	0	0	0	$\overline{1}11\overline{1}$	$002\overline{2}$	$\overline{2}2$	
125	(000)	0	0	1	0	1	$001\overline{1}$	$1\overline{1}2\overline{2}$	<u>1</u> 1	
130	(000)	0	0	0	0	0	$\overline{9}91\overline{1}$	$\overline{7}73\overline{3}$	$\overline{10}, 10$	
133	(000)	0	0	1	0	1	8811	$\overline{6}63\overline{3}$	99	
136	(000)	0	0	0	0	0	$\overline{7}71\overline{1}$	$\overline{5}53\overline{3}$	88	
131	(000)	0	0	1	0	1	$\frac{6611}{6611}$	$\overline{443\overline{3}}$	$\frac{77}{7}$	
134	(000)	0	0	0	0	0	$\frac{5511}{5}$	$\overline{3}33\overline{3}$	66	
137	(000)	0	0	1	0	1	$\frac{3311}{4411}$	$\overline{2233}$	$\frac{55}{55}$	
132	(000)	0	0	0	0	0	$\frac{3311}{3}$	$\frac{2233}{\overline{1}13\overline{3}}$	$\frac{33}{44}$	
$\frac{132}{135}$	(000)	0	0	$\frac{0}{1}$	0	1	$\frac{3311}{221\overline{1}}$	$\frac{1133}{003\overline{3}}$	33	
	(000)									
	T	123.342	P4'/mm'm		ification = \mathbb{Z}^2	$M = X_{\text{BS}}$	$=\mathbb{Z}_{2,4}$ $\operatorname{SI}=z_{2,4}$	$z_{P,3}, z'_{4P}$		
$\mathbb{Z}_{2,4}$	weak	$4^{001}*$	$2^{100}*$	i	2^{110}	$\bar{4}^{001}*$	$Cm_{(2)}^{001}$	$Cm_{(2)}^{110}$		
00	(000)	0	0	0	0	0	$\overline{2}22\overline{2}$	$\overline{4}4$		
00	(000)	0	0	0	0	0	$4\overline{4}00$	$4\overline{4}$		
00	(000)	0	0	0	0	0	$\overline{2}2\overline{2}2$	$\overline{2}2$		
00	(000)	0	0	0	0	0	0000	$2\overline{2}$		
03	(000)	1	1	1	0	0	$1\overline{1}00$	$1\overline{1}$		
02	(000)	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}$		
01	(000)	1	1	1	0	0	3300	33		
10	(000)	0	0	0	0	0	1111	22		
13	(000)	1	1	1	0	0	$\frac{001\overline{1}}{1}$	11		
12	(000)	0	0	0	0	0	$\frac{1\overline{1}1\overline{1}}{1}$	00		
11	(000)	1	1	1	0	0	$\frac{2\overline{2}1\overline{1}}{2}$	$\frac{\overline{11}}{11}$		
	/									
		$\frac{23.343}{4^{001}*}$ $\frac{P4}{}$	$\frac{1'/mmm'}{2^{100}}$ C		$\frac{\text{tion} = \mathbb{Z}_M^*}{2^{110}*}$	$\Lambda_{\rm BS} = \mathbb{Z}$	$\mathbb{Z}_{2,2,4} \text{SI} = z'_{2P}$	$z_{1}, z_{2P,3}, z_{4}$	P 001	
$\mathbb{Z}_{2,2,4}$	weak		<u>-</u>	i		$\bar{4}^{001}*$	$m_{1\bar{1}0}*$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{001}$	
000	(000)	0	0	0	0	0	0	$2\overline{2}2\overline{2}$	0000	
000	(000)	0	0	0	0	0	0	$\bar{4}400$	$\overline{2}22\overline{2}$	
000	(000)	0	0	0	0	0	0	$4\overline{4}00$	$4\overline{4}00$	
000	(000)	0	0	0	0	0	0	$00\overline{2}2$	0000	
000	(000)	0	0	0	0	0	0	$\overline{2}200$	$\overline{2}2\overline{2}2$	
003	(000)	1	0	1	1	0	0	$1\overline{1}00$	$1\overline{1}00$	
002	(000)	0	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	
001	(000)	1	0	1	1	0	0	$3\overline{3}00$	$3\overline{3}00$	
010	(000)	0	0	0	0	0	0	$\overline{2}200$	$\overline{1}11\overline{1}$	
013	(000)	1	0	1	1	0	0	<u>1</u> 100	$001\overline{1}$	
012	(000)	0	0	0	0	0	0	0000	1 <u>1</u> 11 <u>1</u>	
011	(000)	1	0	1	1	0	0	$1\overline{1}00$	$2\overline{2}1\overline{1}$	
100	(000)	0	0	0	0	0	0	1 1 1 1	0000	
103	(000)	1	0	1	1	0	0	$2\overline{2}1\overline{1}$	$1\overline{1}00$	
102	(000)	0	0	0	0	0	0	$\frac{3\overline{3}1\overline{1}}{3\overline{3}}$	$\frac{2\overline{2}00}{2}$	
101	(000)	1	0	1	1	0	0	$\frac{4\overline{4}1\overline{1}}{4\overline{4}}$	$\frac{2200}{3\overline{3}00}$	
110	(000)	0	0	0	0	0	0	1111	$\frac{3000}{1111}$	
113	(000)	1	0	1	1	0	0	$\frac{1111}{001\overline{1}}$	$\frac{1111}{001\overline{1}}$	
$\frac{113}{112}$	(000)	0	0	0	0	0	0	$\frac{0011}{1\overline{1}1\overline{1}}$	$\frac{0011}{1\overline{1}1\overline{1}}$	
111	(000)	1	0	1	1	0	0	$\frac{2\overline{2}1\overline{1}}{2}$	$\frac{2\overline{2}1\overline{1}}{2}$	
111	(000)								2211	
	I .	123.34			assification =		$X_{\rm BS} = \mathbb{Z}_2 {\rm SI} = \mathbb{Z}_2$	z_{2,S_4}		
\mathbb{Z}_2	weak	$4^{001}*$	2^{100}	i*	$2^{110}*$	$\bar{4}^{001}$	$Cm_{(0)}^{1\bar{1}0}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
1	(000)	1	0	0	1	1	$1\overline{1}$			
1	(000)	_	O	O	-	-				
1	123.3				$\mathbf{n} = \mathbb{Z}^2_{M} \times \mathbb{Z}$	X _{BS} =	$\mathbb{Z}_{4,4,4} \text{SI} = z_{4r}^+$	- 0. Z ₁ - 0 - 3	Σ ⁺	

7	weak	4001	2 ¹⁰⁰ *	i	$2^{110}*$	$\bar{4}^{001}$	m . = . +	$Cm_{(4)}^{001}$	
$\frac{\mathbb{Z}_{4,4,4}}{000}$	(0012)	0	0	0	0	0	$\frac{m_{1\bar{1}0}*}{0}$	$\frac{Cm_{(4)}}{4,\overline{16},0,\overline{12}}$	
000	(0012) $(00\overline{4})$	0	0	0	0	0	0	0404	
000	(000)	0	0	0	0	0	0	$\frac{0404}{004\overline{4}}$	
000	(000)	0	0	0	0	0	0	$\frac{0044}{00\overline{4}4}$	
000	(000)	0	1	1	1	1	0	$\frac{0044}{001\overline{1}}$	
$\frac{001}{002}$	(000)	0	0	0	0	0	0	$\frac{0011}{002\overline{2}}$	
$\frac{002}{003}$	(000)	0	1	1	1	1	0	$\frac{0022}{003\overline{3}}$	
010	(000) (001)	0	1	1	1	1	0	0101	
011	(001) (001)	0	0	0	0	0	0	0110	
$\frac{011}{012}$	(001) (001)	0	1	1	1	1	0	$012\overline{1}$	
013	$(00\overline{1})$	0	0	0	0	0	0	$\frac{012\overline{1}}{013\overline{2}}$	
020	$(00\overline{2})$	0	0	0	0	0	0	0202	
$\frac{020}{021}$	(002) $(00\overline{2})$	0	1	1	1	1	0	0211	
$\frac{021}{022}$	(002)	0	0	0	0	0	0	0220	
$\frac{022}{023}$	(002)	0	1	1	1	1	0	$\frac{0220}{023\overline{1}}$	
030	$(00\overline{3})$	0	1	1	1	1	0	0303	
031	$(00\overline{3})$	0	0	0	0	0	0	0312	
032	$(00\overline{3})$	0	1	1	1	1	0	0321	
033	$(00\overline{3})$	0	0	0	0	0	0	0330	
100	(003)	0	0	0	0	0	0	$\frac{1\overline{4}0\overline{3}}{1}$	
101	(003)	0	1	1	1	1	0	$\frac{1\overline{4}1\overline{4}}{1\overline{4}}$	
102	(003)	0	0	0	0	0	0	$\frac{1\overline{4}2\overline{5}}{1\overline{4}2\overline{5}}$	
103	(003)	0	1	1	1	1	0	$\frac{1\overline{436}}{1\overline{436}}$	
110	(002)	0	1	1	1	1	0	$\frac{1\overline{3}0\overline{2}}{1\overline{3}0\overline{2}}$	
111	(002)	0	0	0	0	0	0	$\frac{1\overline{3}1\overline{3}}{1\overline{3}1\overline{3}}$	
112	(002)	0	1	1	1	1	0	$\frac{1\overline{3}2\overline{4}}{1\overline{3}2\overline{4}}$	
113	(002)	0	0	0	0	0	0	$\frac{1\overline{3}\overline{3}\overline{5}}{1\overline{3}\overline{3}\overline{5}}$	
120	(001)	0	0	0	0	0	0	$\frac{1\overline{2}0\overline{1}}{1\overline{2}0\overline{1}}$	
121	(001)	0	1	1	1	1	0	$\frac{1201}{1\overline{2}1\overline{2}}$	
122	(001)	0	0	0	0	0	0	$\frac{1\overline{2}2\overline{3}}{1\overline{2}2\overline{3}}$	
123	(001)	0	1	1	1	1	0	$\frac{1\overline{2}3\overline{4}}{1\overline{2}3\overline{4}}$	
130	(000)	0	1	1	1	1	0	$1\overline{1}00$	
131	(000)	0	0	0	0	0	0	1111	
132	(000)	0	1	1	1	1	0	$1\overline{1}2\overline{2}$	
133	(000)	0	0	0	0	0	0	$1\overline{1}3\overline{3}$	
200	(006)	0	0	0	0	0	0	$2\overline{8}0\overline{6}$	
201	(006)	0	1	1	1	1	0	$2\overline{8}1\overline{7}$	
202	(006)	0	0	0	0	0	0	$2\overline{8}2\overline{8}$	
203	(006)	0	1	1	1	1	0	$2\overline{8}3\overline{9}$	
210	(005)	0	1	1	1	1	0	$2\overline{7}0\overline{5}$	
211	(005)	0	0	0	0	0	0	$2\overline{7}1\overline{6}$	
212	(005)	0	1	1	1	1	0	$2\overline{7}2\overline{7}$	
213	(005)	0	0	0	0	0	0	$2\overline{7}3\overline{8}$	
220	(004)	0	0	0	0	0	0	$2\overline{6}0\overline{4}$	
221	(004)	0	1	1	1	1	0	$2\overline{6}1\overline{5}$	
222	(004)	0	0	0	0	0	0	$2\overline{6}2\overline{6}$	
223	(004)	0	1	1	1	1	0	$2\overline{6}3\overline{7}$	
230	(003)	0	1	1	1	1	0	$2\overline{5}0\overline{3}$	
231	(003)	0	0	0	0	0	0	$2\overline{5}1\overline{4}$	
232	(003)	0	1	1	1	1	0	$2\overline{5}2\overline{5}$	
233	(003)	0	0	0	0	0	0	$2\overline{5}3\overline{6}$	
300	(009)	0	0	0	0	0	0	$3, \overline{12}, 0, \overline{9}$	
301	(009)	0	1	1	1	1	0	$3,\overline{12},1,\overline{10}$	
302	(009)	0	0	0	0	0	0	$3, \overline{12}, 2, \overline{11}$	

303	(009)	0	1	1	1	1	0	$3, \overline{12}, 3, \overline{12}$		
310	(008)	0	1	1	1	1	0	$3, \overline{11}, 0, \overline{8}$		
311	(008)	0	0	0	0	0	0	$3, \overline{11}, 1, \overline{9}$		
312	(008)	0	1	1	1	1	0	$3, \overline{11}, 2, \overline{10}$		
313	(008)	0	0	0	0	0	0	$3, \overline{11}, 3, \overline{11}$		
320	(007)	0	0	0	0	0	0	$3, \overline{10}, 0, \overline{7}$		
321	(007)	0	1	1	1	1	0	$3, \overline{10}, 1, \overline{8}$		
322	(007)	0	0	0	0	0	0	$3, \overline{10}, 2, \overline{9}$		
323	(007)	0	1	1	1	1	0	$3, \overline{10}, 3, \overline{10}$		
330	(006)	0	1	1	1	1	0	$\frac{5,10,5,10}{3906}$		
331	(006)	0	0	0	0	0	0	$\frac{3\overline{9}0\overline{7}}{3\overline{9}1\overline{7}}$		
$\frac{331}{332}$	(006)	0	1	1	1	1	0	$\frac{3917}{3928}$		
333	(006)	0	0	0	0	0	0	$\frac{3928}{3\overline{9}3\overline{9}}$		
	(000)									
		123.34			ssification			$= z_{2,S_4}$		
\mathbb{Z}_2	weak	$4^{001}*$	$2^{100}*$	i*	2^{110}	$\bar{4}^{001}$	$m_{1\bar{1}0}*$	$Cm_{(0)}^{100}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	0	$1\overline{1}1\overline{1}$		
0	(000)	0	0	0	0	0	0	1 11 1		
1	(000)	1	1	0	0	1	0	$1\overline{1}00$		
		123.348	P 1/m	mm Classif	ication -	- 7/4 Ypg -	- 7. SI —	2' 20		
77	weak		4001	2100	$\frac{i}{i}$	$= \mathbb{Z}_{M}^{4} X_{BS} = \frac{2^{110}}{2^{110}}$	$\frac{-22,8}{7001}$	$\frac{c_{2}P_{,1},c_{8}}{Cm_{(2)}^{100}}$	Cm 001	Cm 110
$\mathbb{Z}_{2,8}$		$\{1 00\frac{1}{2}\}*$						- (2)	$Cm_{(4)}^{001}$	$Cm_{(2)}^{110}$
00	(000)	0	0	0	0	0	0	$\overline{6}62\overline{2}$	8800	88
00	(000)	0	0	0	0	0	0	8800	8800	88
00	(000)	0	0	0	0	0	0	$\overline{4}4\overline{2}2$	$\overline{4}400$	$\overline{4}4$
00	(000)	0	0	0	0	0	0	$\bar{2}200$	0000	$\overline{2}2$
00	(000)	0	0	0	0	0	0	$\overline{4}400$	$\overline{4}400$	$\overline{2}2$
03	(000)	1	0	0	1	0	1	$1\overline{1}00$	$1\overline{1}00$	$1\overline{1}$
06	(000)	0	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	$2\overline{2}$
01	(000)	1	0	0	1	0	1	$3\overline{3}00$	$3\overline{3}00$	$\overline{33}$
04	(000)	0	0	0	0	0	0	$4\overline{4}00$	$4\overline{4}00$	$4\overline{4}$
07	(000)	1	0	0	1	0	1	$5\overline{5}00$	$5\overline{5}00$	$5\overline{5}$
02	(000)	0	0	0	0	0	0	$6\overline{6}00$	$6\overline{6}00$	$6\overline{6}$
05	(000)	1	0	0	1	0	1	$7\overline{7}00$	7700	$7\overline{7}$
10	(000)	0	0	0	0	0	0	3311	4400	$\overline{4}4$
13	(000)	1	0	0	1	0	1	$\overline{2}21\overline{1}$	3300	33
16	(000)	0	0	0	0	0	0	1111	$\frac{2200}{2}$	$\frac{\overline{2}}{2}$
11	(000)	1	0	0	1	0	1	$001\overline{1}$	1100	${11}$
14	(000)	0	0	0	0	0	0	1111	0000	00
17	(000)	1	0	0	1	0	1	$\frac{2\overline{2}1\overline{1}}{2}$	$\frac{1100}{100}$	$\frac{\overline{11}}{1}$
12	(000)	0	0	0	0	0	0	$\frac{2211}{3\overline{3}1\overline{1}}$	$\frac{1100}{2\overline{2}00}$	$\frac{11}{2\overline{2}}$
15	(000)	1	0	0	1				$\frac{2200}{3\overline{3}00}$	$\frac{22}{3\overline{3}}$
	(000)	1 22 2 42			1			4411	3300	
		123.349	P_C4/m	mm Classif	ication =	\mathbb{Z}_M^4 $X_{BS} =$	$\frac{1}{=\mathbb{Z}_{4,8}} \operatorname{SI} = \frac{1}{4^{001}}$	$z_{4m,\pi}^{\scriptscriptstyle op}, z_8$	001	- 100
$\mathbb{Z}_{4,8}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	4^{001}	2^{110}	i	2010	4^{001}	$Cm_{(2)}^{110}$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{100}$
00	(000)	0	0	0	0	0	0	$\overline{8}8$	$\overline{4}44\overline{4}$	8800
00	(000)	0	0	0	0	0	0	88	8800	8800
00	(000)	0	0	0	0	0	0	$\overline{2}2$	$\overline{4}400$	$\overline{4}400$
00	(000)	0	0	0	0	0	0	6 6	$\overline{6}6\overline{2}2$	6 600
00	(000)	0	0	0	0	0	0	$\overline{44}$	4400	2200
03	(000)	1	0	0	1	0	1	$1\overline{1}$	$1\overline{1}00$	1100
06	(000)	0	0	0	0	0	0	$2\overline{2}$	$2\overline{2}00$	$2\overline{2}00$
01	(000)	1	0	0	1	0	1	33	$\frac{3\overline{3}00}{3}$	$\frac{3\overline{3}00}{3\overline{6}}$
04	(000)	0	0	0	0	0	0	$\frac{33}{4\overline{4}}$	$\frac{3300}{4\overline{4}00}$	$\frac{3500}{4\overline{4}00}$
07	(000)	1	0	0	1	0	1	$\frac{\overline{55}}{55}$	$\frac{5500}{5}$	$\frac{5\overline{5}00}{5}$
02	(000)	0	0	0	0	0	0	$\frac{55}{66}$	$\frac{5500}{6600}$	$\frac{6\overline{6}00}{6}$
	(000)	U	U	U	U	U	U	00	0000	0000

05	(000)	1	0	0	1	0	1	$7\overline{7}$	$7\overline{7}00$	7700
10	(000)	0	0	0	0	0	0	$\overline{2}2$	<u>1</u> 111 <u>1</u>	2200
13	(000)	1	0	0	1	0	1	<u>1</u> 1	$001\overline{1}$	1100
16	(000)	0	0	0	0	0	0	00	$1\overline{1}1\overline{1}$	0000
11	(000)	1	0	0	1	0	1	$1\overline{1}$	$2\overline{2}1\overline{1}$	$1\overline{1}00$
14	(000)	0	0	0	0	0	0	$2\overline{2}$	3311	$2\overline{2}00$
17	(000)	1	0	0	1	0	1	33	$4\overline{4}1\overline{1}$	3300
12	(000)	0	0	0	0	0	0	$\frac{3}{4}$	$5\overline{5}1\overline{1}$	$\frac{4400}{4}$
15	(000)	1	0	0	1	0	1	55	$6\overline{6}1\overline{1}$	$\frac{5500}{5}$
20	(000)	0	0	0	0	0	0	$\frac{3}{4}$	$\overline{2}22\overline{2}$	$\frac{1}{4400}$
23	(000)	1	0	0	1	0	1	33	$\frac{\overline{1}12\overline{2}}{\overline{1}}$	3300
26	(000)	0	0	0	0	0	0	$\frac{\overline{2}}{2}$	$002\overline{2}$	$\frac{\overline{2200}}{2}$
21	(000)	1	0	0	1	0	1	<u></u>	$\frac{1\overline{1}2\overline{2}}{1}$	$\frac{2200}{1100}$
$\frac{21}{24}$	(000)	0	0	0	0	0	0	00	$\frac{1122}{2\overline{2}2\overline{2}}$	0000
27	(000)	1	0	0	1	0	1	$\frac{00}{1\overline{1}}$	$\frac{3\overline{3}2\overline{2}}{3\overline{3}}$	$\frac{1100}{1}$
$\frac{21}{22}$	(000)	0	0	0	0	0	0	$\frac{11}{2\overline{2}}$	$\frac{3522}{4\overline{4}2\overline{2}}$	$\frac{\overline{2200}}{2}$
$\frac{22}{25}$	(000)	1	0	0	1	0	1	$\frac{22}{3\overline{3}}$	$\frac{5\overline{5}2\overline{2}}{5}$	$\frac{2200}{3\overline{3}00}$
$\frac{20}{30}$	(000)	0	0	0	0	0	0	<u></u>	$\frac{3322}{3333}$	$\frac{\overline{6}600}{6}$
33	(000)	1	0	0	1	0	1	$\frac{55}{5}$	$\frac{\overline{2233}}{2}$	$\frac{5500}{5}$
36	(000)	0	0	0	0	0	0	$\frac{55}{44}$	$\frac{2233}{113\overline{3}}$	$\frac{3300}{4400}$
31	(000)	1	0	0	1	0	1	33	$\frac{1133}{003\overline{3}}$	$\frac{4400}{3300}$
34	(000)	0	0	0	0	0	0	$\frac{33}{22}$	$\frac{0033}{1\overline{1}3\overline{3}}$	$\frac{3300}{2200}$
$\frac{34}{37}$	(000)	1	0		1		1	$\frac{22}{11}$	$\frac{1133}{2\overline{2}3\overline{3}}$	$\frac{2200}{1100}$
$\frac{37}{32}$	(000)			0		0			$\frac{2255}{3\overline{3}3\overline{3}}$	
	/	0	0	0	0	0	0	00		0000
35	(000)	1	0	0	1	0	1	$1\overline{1}$	$4\overline{4}3\overline{3}$	$1\overline{1}00$
		123.3		/mmm Cla	ssification			$=z_8$		
\mathbb{Z}_8	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	4^{001}	2^{100}	i	2^{110}	$\bar{4}^{001}$	$Cm_{(2)}^{010}$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{1\bar{1}0}$
0	(000)	0	0	0	0	0	0	8800	8800	88
0	(000)	0	0	0	0	0	0	$\overline{2}200$	$\overline{4}400$	$\overline{4}4$
0	(000)	0	0	0	0	0	0	$\overline{2}200$	0000	$\overline{2}2$
0	(000)	0	0	0	0	0	0	$\overline{4}400$	$\overline{4}400$	$\overline{2}2$
3	(000)	1	0	0	1	0	1	$1\overline{1}00$	$1\overline{1}00$	11
6	(000)	0	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	$2\overline{2}$
1	(000)	1	0	0	1	0	1	3300	$3\overline{3}00$	33
4	(000)	0	0	0	0	0	0	$4\overline{4}00$	$4\overline{4}00$	$4\overline{4}$
7	(000)	1	0	0	1	0	1	$5\overline{5}00$	$5\overline{5}00$	$\overline{55}$
2	(000)	0	0	0	0	0	0	6600	$6\overline{6}00$	$\overline{66}$
5	(000)	1	0	0	1	0	1	7700	7700	$\overline{77}$
	()	194 9	351 P4/	mana Claggi	Gastian	77 V	$=\mathbb{Z}_4$ SI $=$			
	1	4001			0110	$\frac{ZM}{\bar{\Lambda}^{001}}$	110	$\frac{z_{4m,0}}{c_{1}}$		
\mathbb{Z}_4	weak		$2^{100}_{00\frac{1}{2}}$	i	$2^{110}_{00\frac{1}{2}}$		$g_{00\frac{1}{2}}^{110}$	$Cm_{(4)}^{001}$		
0	(000)	0	0	0	0	0	0	$4\overline{4}00$		
0	(000)	0	0	0	0	0	0	0000		
1	(000)	0	0	1	0	1	1	<u>1100</u>		
2	(000)	0	0	0	0	0	0	$2\overline{2}00$		
3	(000)	0	0	1	0	1	1	$3\overline{3}00$		
<u> </u>		124.:	354 P4'	/mc'c Class	sification =	$= \mathbb{Z}_M - X_{DS}$	$S = \mathbb{Z}_4$ SI =	$=z'_{4P}$		
\mathbb{Z}_4	weak	4001*	$\frac{2^{100}_{00\frac{1}{2}}*}{2^{100}_{00\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{2^{110}_{00\frac{1}{2}}}{2^{110}_{00\frac{1}{2}}}$	$\frac{1100}{4001}$ *	$g_{00\frac{1}{2}}^{110}$	$Cm_{(2)}^{001}$		
		0	$\frac{-00\frac{1}{2}}{0}$		$\frac{-\frac{2}{00\frac{1}{2}}}{0}$	0	$\frac{g_{00\frac{1}{2}}}{0}$	$\frac{4\overline{400}}{4\overline{400}}$		
0	(000)			0						
0	(000)	0	0	0	0	0	0	0000		
3	(000)	1	1	1	0	0	1	$\frac{1\overline{1}00}{2\overline{2}00}$		
2	(000)	0	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$		
	(000)	1	1	1	0	0	1	3300		
		124.3	855 P4'	$\frac{/mcc'}{}$ Class	$\frac{\text{sification}}{\text{on}} = \frac{1}{2}$	$=\mathbb{Z}_M$ X_{BS}	$S = \mathbb{Z}_4$ SI =	$=z'_{4P}$		

$\overline{\mathbb{Z}_4}$	weak	4 ⁰⁰¹ *	$2^{100}_{00\frac{1}{2}}$	i	$2^{110}_{00\frac{1}{2}}*$	$\bar{4}^{001}*$	$g_{00\frac{1}{2}}^{1\overline{10}}*$	$Cm_{(2)}^{001}$		
0	(000)	0	$00\frac{1}{2}$	0	00 ±	0	$\frac{300\frac{1}{2}}{0}$	$\frac{4\overline{400}}{400}$		
0	(000)	0	0	0	0	0	0	0000		
3	(000)	1	0	1	1	0	0	$1\overline{1}00$		
2	(000)	0	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	0	1	1	0	0	$3\overline{3}00$		
		124	356 P4'	/m'c'c Clas	sification	$= \mathbb{Z}_2$ X_{DG}	$=\mathbb{Z}_2$ SI $=$	7.0 C		
$\overline{\mathbb{Z}_2}$	weak	4 ⁰⁰¹ *	$\frac{2^{100}_{00\frac{1}{2}}}{2^{100}_{00\frac{1}{2}}}$	$\frac{i*}{i}$	$\frac{2^{110}_{00\frac{1}{2}}*}{2^{110}_{00\frac{1}{2}}}$	$\frac{-2}{4^{001}}$	$g_{00\frac{1}{2}}^{110}$	~2,54		
0	(000)	0	00 ½	0	00 2	0	$00\frac{1}{2}$			
1	(000)	1	0	0	1	1	1			
	(000)						$=\mathbb{Z}_{4,4}$ SI $=$	<u>~</u> + ~+		
77	weak	$\frac{124.337}{4^{001}}$	2100	i	$\frac{\sin - \omega_M}{2^{110}}$	$\frac{\lambda}{4^{001}}$	$\frac{-24,4}{2110}$ dr	$\frac{z_{4m,0}, z_{4m,\pi}}{C_{m}001}$		
$\mathbb{Z}_{4,4}$			$2^{100}_{00\frac{1}{2}}*$		$2^{110}_{00\frac{1}{2}}*$		$g_{00\frac{1}{2}}^{110}*$	$Cm_{(4)}^{001}$		
00	(000)	0	0	0	0	0	0	$4\overline{4}00$		
00	(008)	0	0	0	0	0	4	0844		
00 01	(000) $(00\overline{2})$	0	0	0	0	0	0	0000 0211		
$\frac{01}{02}$	(002) $(00\overline{4})$	0	0	$\frac{1}{0}$	0	1 0	$\frac{1}{2}$	0422		
$\frac{02}{03}$	(004) (006)	0	0	1	0	1	$\frac{2}{3}$	0633		
10	(000)	0	1	1	1	1	0	$\frac{0000}{1\overline{1}00}$		
11	$(00\overline{2})$	0	1	0	1	0	$\frac{\sigma}{1}$	1111		
12	$(00\overline{4})$	0	1	1	1	1	$\frac{1}{2}$	1322		
13	$(00\overline{6})$	0	1	0	1	0	 3	1533		
20	(000)	0	0	0	0	0	0	$2\overline{2}00$		
21	$(00\overline{2})$	0	0	1	0	1	1	2011		
22	$(00\overline{4})$	0	0	0	0	0	2	2222		
23	$(00\overline{6})$	0	0	1	0	1	3	2433		
30	(000)	0	1	1	1	1	0	$3\overline{3}00$		
31	$(00\overline{2})$	0	1	0	1	0	1	$3\overline{1}11$		
32	$(00\overline{4})$	0	1	1	1	1	$\overline{2}$	3122		
33	$(00\overline{6})$	0	1	0	1	0	3	3333		
		124.	358 P4'	/m'cc' Clas	sification =	$= \mathbb{Z}_2 X_{BS}$	$=\mathbb{Z}_2$ SI $=$	z_{2,S_4}		
\mathbb{Z}_2	weak	$4^{001}*$	$2^{100}_{00\frac{1}{2}}*$	i*	$2^{110}_{00\frac{1}{2}}$	$\bar{4}^{001}$	$g_{00\frac{1}{2}}^{1\overline{10}}*$			
0	(000)	0	$\frac{00_2}{0}$	0	0	0	$\frac{00_2}{0}$			
1	(000)	1	1	0	0	1	0			
		124.	360 P _a 4	/mcc Class	ification =	\mathbb{Z}_M X_{DS}	$= \mathbb{Z}_4 SI =$	z+ o		
$\overline{\mathbb{Z}_4}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{4^{001}}{4^{001}}$	2 ¹⁰⁰ *	$\frac{i}{i}$	$\frac{2^{110}*}{2^{110}}$	$\frac{234}{4001}$	$\frac{\sim_{4m,0}}{m_{1\bar{1}0}*}$	$Cm_{(4)}^{001}$	
0	(000)	0	0	0	0	0	0	0	$\frac{4400}{4400}$	
0	(000)	0	0	0	0	0	0	0	0000	
1	(000)	1	0	1	1	1	1	0	1100	
2	(000)	0	0	0	0	0	0	0	$2\overline{2}00$	
3	(000)	1	0	1	1	1	1	0	3300	
	. , ,	124.:	$\frac{1}{361} P_{C4}$	/mcc Class	ification =	\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_4$ SI $=$	z+ 		
$\overline{\mathbb{Z}_4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	4^{001}	$\frac{2^{110}_{00\frac{1}{2}}}{2^{110}_{00\frac{1}{2}}}$	i	2010	$\frac{-4}{4}$ 001	$g_{00\frac{1}{2}}^{100}$	$Cm_{(4)}^{001}$	
0	(000)	0	0	$\frac{-00\frac{1}{2}}{0}$	0	$\frac{{}^{2}00\frac{1}{2}}{0}$	0	$\frac{g_{00\frac{1}{2}}}{0}$	$\frac{4\overline{400}}{4\overline{400}}$	
$\frac{0}{0}$	(000)	0	0	0	0	0	0	0	0000	
1	(000)	1	0	0	1	0	1	1	$1\overline{1}00$	
2	(000)	0	0	0	0	0	0	0	$\frac{2\overline{2}00}{2}$	
3	(000)	1	0	0	1	0	1	1	$3\overline{3}00$	
	/	124	$362 P_r 4$	/mcc Class	ification =	\mathbb{Z}_M X_{DC}	$= \mathbb{Z}_4$ SI $=$	z+ 0		
$\overline{\mathbb{Z}_4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{602}{4^{001}}$	2100	$\frac{i}{i}$	$\frac{2_{M}^{110}}{2_{00\frac{1}{2}}^{110}}$	$\frac{-224}{4001}$	$g_{00\frac{1}{2}}^{110}$	$Cm_{(4)}^{001}$	
0	(000)	0	0	$\frac{2_{00\frac{1}{2}}}{0}$	0	$\frac{-00\frac{1}{2}}{0}$	0	$\frac{g_{00\frac{1}{2}}}{0}$	$\frac{4\overline{400}}{4\overline{400}}$	
0	(000)	0	0	0	0	0	0	0	0000	
	(000)	v	V	V	v	V	V	V	0000	

1	(000)	1	0	0	1	0	1	1	1100	
2	(000)	0	0	0	0	0	0	0	$2\overline{2}00$	
3	(000)	1	0	0	1	0	1	1	$3\overline{3}00$	
				nbm Class	sification =	\mathbb{Z}_M X_{B}	$S = \mathbb{Z}_2$ $SI =$	z'_{2P}		
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{0\frac{1}{2}0}$	i	2^{110}	$\bar{4}^{001}_{rac{1}{2}00}$	$Cm_{(2)}^{110}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
1	(000)	0	0	1	0	1	11			
				'nb'm Clas	sification =	$=\mathbb{Z}_M$ X_{E}	$_{\mathrm{SS}}=\mathbb{Z}_{2}$ $\mathrm{SI}=% \mathrm{SI}_{2}$	z_{2P}^{\prime}		
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{0\frac{1}{2}0}*$	i	2^{110}	$\bar{4}^{001}_{\frac{1}{2}00}*$	$Cm_{(2)}^{110}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
1	(000)	1	1	1	0	0	11			
			$\frac{.367 P4'}{2^{100}}$	<u> </u>	ssification		$S = \mathbb{Z}_2$ $SI =$	z'_{2P}		
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}00}*$	$^{2}0\frac{1}{2}0$	i	$2^{110}*$	$\bar{4}^{001}_{rac{1}{2}00}*$	$g_{rac{1}{2}rac{1}{2}0}^{110}*$			
0	(000)	0	0	0	0	0	0			
1	(000)	1	0	1	1	0	0			
					sification =	$= \mathbb{Z}_M \times_{\overline{A}} X_{\mathrm{B}}$	$_{\rm SS} = \mathbb{Z}_2 {\rm SI} =$	z_{2,S_4}		
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{0\frac{1}{2}0}$	i*	$2^{110}*$	$\bar{4}^{001}_{\frac{1}{2}00}$	$Cm_{(0)}^{110}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
	(000)	0	0	0	0	0	$\frac{2\overline{2}}{1\overline{1}}$			
1	(000)	1	0	0	1	1	11			
			$\frac{P4/nb'm'}{2100}$		$\frac{\text{tion} = \mathbb{Z} \times \mathbb{Z}}{2^{110} *}$	$\frac{\mathbb{Z}_2 X_{BS}}{\bar{4}^{001}}$	$= \mathbb{Z}_{2,4} \text{ SI} =$	z_{2,S_4}, z_{4C}		
$\mathbb{Z}_{2,4}$	weak	$4^{001}_{rac{1}{2}00}$	$2^{100}_{0\frac{1}{2}0}*$	i		$\frac{1}{2}00$	$g_{rac{1}{2}rac{1}{2}0}^{1rac{1}{10}}*$			
00	(000)	0	0	0	0	0	0			
$\frac{00}{01}$	(004)	0	0	0	0	0	0			
$\frac{01}{02}$	(001)	0	0	0	0	0	0			
03	(002)	0	0	0	0	0	0			
10	(000)	0	1	1	1	1	0			
11	(001)	0	1	1	1	1	0			
12	(002)	0	1	1	1	1	0			
13	(003)	0	1	1	1	1	0			
				n'bm' Clas	ssification =	$=\mathbb{Z}_2$ X_{B}	$S = \mathbb{Z}_2$ $SI =$	z_{2,S_4}		
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{0\frac{1}{2}0}*$	i*	2^{110}	$\bar{4}^{001}_{\frac{1}{2}00}$	$g_{\frac{1}{2}\frac{1}{2}0}^{1\overline{1}0}*$			
0	(000)	0	0	0	0	0	0			
1	(000)	1	1	0	0	1	0			
		125.		/nbm Clas	sification =	\mathbb{Z}_M X_{B}	$_{\mathrm{SS}} = \mathbb{Z}_2 \mathrm{SI} =$	z'_{2P}		
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{0\frac{1}{2}0}$	i	2110	$\bar{4}^{001}_{\frac{1}{2}00}$	$Cm_{(2)}^{110}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}$		
1	/					0	- 1	11		
	(000)	1	0	0	1	0	1	$1\overline{1}$		
	(000)	125.	$\frac{1}{373} P_C 4$	/nbm Clas		$=\mathbb{Z}_M$ X_F	$_{\mathrm{BS}} = \mathbb{Z}_2 \mathrm{SI} =$	z_{2P}'		
\mathbb{Z}_2	(000) weak		$\frac{1}{373} P_C 4$	/nbm Clas	sification =	$=\mathbb{Z}_M$ X_F	$_{\mathrm{BS}} = \mathbb{Z}_2 \mathrm{SI} =$	z_{2P}'	$Cm_{(2)}^{110}$	
\mathbb{Z}_2	weak (000)	125.							$2\overline{2}$	
0	weak (000) (000)	$ \begin{array}{c} 125\\ \{1 \frac{1}{2}\frac{1}{2}0\}*\\ 0\\ 0 \end{array} $	$\frac{373 P_C 4}{4_{0\frac{1}{2}0}^{001} *}$	$\frac{/nbm}{2\frac{1}{2}\frac{1}{2}\frac{1}{2}0}$ * 0	sification = $\frac{i_{\frac{1}{2}\frac{1}{2}0}*}{0}$	$ \begin{array}{c} \mathbb{Z}_{M} & \mathbb{X}_{E} \\ 2^{010}_{\frac{1}{2}00} & \\ 0 & \\ 0 \end{array} $	$\frac{1}{3S} = \mathbb{Z}_2 SI = \frac{1}{4001}$	$\begin{array}{c}z_{2P}'\\g_{\frac{1}{2}00}^{100}*\\0\\0\end{array}$	$\frac{2\overline{2}}{2\overline{2}}$	
0	weak (000)	$ \begin{array}{c} 125. \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} 373 & P_C 4 \\ \hline 4_{0\frac{1}{2}0}^{001} * \\ \hline 0 \\ 0 \\ 1 \end{array} $	$ \frac{/nbm}{2\frac{110}{\frac{1}{2}\frac{1}{2}0}} $ Class 0	$ \begin{array}{c} \vdots \\ i_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} \mathbb{Z}_{M} & X_{E} \\ \mathbb{Z}_{\frac{1}{2}00}^{010} \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 3S = \mathbb{Z}_2 & SI = \\ \frac{4 \frac{001}{2} 00}{0} & 0 \\ 0 & 1 \end{array}$	$\begin{array}{c} z'_{2P} \\ g^{100}_{\frac{1}{2}00} * \\ 0 \\ 0 \\ \end{array}$	$2\overline{2}$	
0 0 1	weak (000) (000) (000)	$ \begin{array}{c} 125. \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} 373 & P_C 4 \\ \hline 4_{0\frac{1}{2}0}^{001} * \\ \hline 0 \\ 0 \\ \hline 1 \\ 374 & P_I 4 \end{array} $		sification = $ \frac{i_{\frac{1}{2}\frac{1}{2}0}*}{0} $ 0 0 sification =	$egin{array}{c} & \mathbb{Z}_{M} & \mathbb{X}_{\mathrm{E}} \\ & 2^{010}_{rac{1}{2}00} \\ & 0 \\ & 0 \\ & & \mathbb{Z}_{M} & \mathbb{X}_{\mathrm{B}} \end{array}$	$\begin{array}{c} 3S = \mathbb{Z}_2 & SI = \\ 4\frac{401}{200} & \\ 0 & \\ 0 & \\ 0 & \\ 3S = \mathbb{Z}_2 & SI = \end{array}$	$\begin{array}{c} z'_{2P} \\ g^{100}_{\frac{1}{2}00} * \\ 0 \\ 0 \\ z'_{2P} \end{array}$	$\frac{2\overline{2}}{2\overline{2}}$	
0	weak (000) (000) (000) weak	$ \begin{array}{c} 125. \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} 373 & P_C 4 \\ \hline 4_{0\frac{1}{2}0}^{001} * \\ \hline 0 \\ 0 \\ 1 \end{array} $	$ \frac{/nbm}{2\frac{110}{\frac{1}{2}\frac{1}{2}0}} $ Class 0	$ \begin{array}{c} \vdots \\ i_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} \mathbb{Z}_{M} & X_{E} \\ \mathbb{Z}_{\frac{1}{2}00}^{010} \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 3S = \mathbb{Z}_2 & SI = \\ \frac{4 \frac{001}{2} 00}{0} & 0 \\ 0 & 1 \end{array}$	$\begin{array}{c} z_{2P}' \\ \hline g_{\frac{1}{2}00}^{100} * \\ 0 \\ 0 \\ \hline c_{2P}' \\ Cm_{(2)}^{110} \end{array}$	$\frac{2\overline{2}}{2\overline{2}}$	
0 0 1	weak (000) (000) (000)	$ \begin{array}{c} 125. \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} 373 & P_C 4 \\ \hline 4_{0\frac{1}{2}0}^{001} * \\ \hline 0 \\ 0 \\ \hline 1 \\ 374 & P_I 4 \end{array} $		sification = $ \frac{i_{\frac{1}{2}\frac{1}{2}0}*}{0} $ 0 0 sification =	$egin{array}{c} & \mathbb{Z}_{M} & \mathbb{X}_{\mathrm{E}} \\ & 2^{010}_{rac{1}{2}00} \\ & 0 \\ & 0 \\ & & \mathbb{Z}_{M} & \mathbb{X}_{\mathrm{B}} \end{array}$	$\begin{array}{c} 3S = \mathbb{Z}_2 & SI = \\ 4\frac{401}{200} & \\ 0 & \\ 0 & \\ 0 & \\ 3S = \mathbb{Z}_2 & SI = \end{array}$	$\begin{array}{c} z'_{2P} \\ g^{100}_{\frac{1}{2}00} * \\ 0 \\ 0 \\ z'_{2P} \end{array}$	$\frac{2\overline{2}}{2\overline{2}}$	

1	(000)	1	0	0	0	0	0	11	
		12	6.375 P4	/nnc Clas	sification =	$=\mathbb{Z}_2$ X_{BS}	$=\mathbb{Z}_2$ SI $=$	z'_{2P}	
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$	i	$2^{110}_{00\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}00}$	$g^{1\overline{1}0}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	21	
0	(000)	0	$\frac{0_{2}}{0}$	0	0	0	0		
1	(000)	0	0	1	0	1	1		
		126	$6.378 ext{ } P4'$	/nn'c Clas	ssification :	$=\mathbb{Z}_2$ X_{BS}	$=\mathbb{Z}_2$ SI =	$=z_{2P}'$	
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	i	$2^{110}_{00\frac{1}{2}}$	$\frac{2}{4^{001}_{\frac{1}{2}00}}*$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}$	21	
0	(000)	$\frac{\frac{1}{2}00}{0}$	$0^{\frac{1}{2}\frac{1}{2}}$	0	$\frac{00\frac{1}{2}}{0}$	$\frac{1}{2}$ 00	$0^{\frac{5}{2}\frac{7}{2}\frac{7}{2}}$		
1	(000)	1	1	1	0	0	1		
	/	126	$6.379 ext{ } P4'$	/nnc' Clas	ssification :	$= \mathbb{Z}_2 X_{pq}$	$=\mathbb{Z}_2$ SI =	= 2'_P	
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}00}*$	$\frac{2^{100}_{0\frac{1}{2}\frac{1}{2}}}{2^{100}_{0\frac{1}{2}\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{2^{110}_{00\frac{1}{2}}*}{2^{110}_{00\frac{1}{2}}}$	$\frac{\bar{4}^{001}_{200}}{\bar{4}^{001}_{\frac{1}{2}00}}*$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$	~2P	
$\frac{-2}{0}$	(000)	$\frac{-\frac{1}{2}00}{0}$	$\frac{-0\frac{1}{2}\frac{1}{2}}{0}$	0	$\frac{-00\frac{1}{2}}{0}$	$\frac{-\frac{1}{2}00}{0}$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0}$		
1	(000)	1	0	1	1	0	0		
	(000)			n'n'c Class	sification -	$=\mathbb{Z}_2$ X_{BS}	- Z ₂ SI -	- 7o. g	
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}00}*$	$\frac{2^{100}_{0\frac{1}{2}\frac{1}{2}}}{2^{100}_{0\frac{1}{2}\frac{1}{2}}}$	$\frac{i*}{i*}$	$2^{110}_{00\frac{1}{2}}*$	$\frac{-22}{4^{001}_{\frac{1}{2}00}}$	$\frac{-22 \text{ SI} - \frac{10}{9\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{g^{\frac{110}{2}\frac{1}{2}\frac{1}{2}}}$	22,84	
$\frac{2}{0}$	(000)	$\frac{\frac{1}{2}00^{\pi}}{0}$	$\frac{2_{0\frac{1}{2}\frac{1}{2}}}{0}$	0	$\frac{2_{00\frac{1}{2}}}{0}$	$\frac{\frac{1_{\frac{1}{2}}00}{0}}{0}$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0}$		
$\frac{0}{1}$	(000)	1	0	0	1	1	1		
	(000)		P4/nn'c'						
77	weak			i		$\frac{\mathbb{Z}_2 \Lambda_{BS} =}{\sqrt{1001}}$	$\mathbb{Z}_{2,2}$ $S_1 = \frac{110}{2}$	$z_{2,S_4}, z_{4C}/2$	
$\mathbb{Z}_{2,2}$		$4^{001}_{\frac{1}{2}00}$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$		$2^{110}_{00\frac{1}{2}}*$	$\bar{4}^{001}_{\frac{1}{2}00}$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$		
$\frac{00}{00}$	(000) $(00\overline{4})$	0	0	0	$\frac{0}{0}$	0	$\frac{0}{2}$		
00	(004) $(00\overline{2})$	0	1	0	1	0	$\frac{2}{1}$		
10	(002)	0	1	1	1	1	0		
11	(000)	0	0	1	0	1	 1		
	()	126.	382 P4'/	n'nc' Clas	sification =	$= \mathbb{Z}_0 X_{DG}$	$=\mathbb{Z}_2$ SI $=$	- 70 G	
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}00}*$	$\frac{2^{100}_{0\frac{1}{2}\frac{1}{2}}}{2^{100}_{0\frac{1}{2}\frac{1}{2}}}$	<u>i*</u>	$2^{110}_{00\frac{1}{2}}$	$\frac{\bar{4}^{001}_{\frac{1}{2}00}}{\bar{4}^{001}_{\frac{1}{2}00}}$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$	~2,54	
$\frac{-2}{0}$	(000)	$\frac{-\frac{1}{2}00}{0}$	$\frac{-0\frac{1}{2}\frac{1}{2}}{0}$	0	$\frac{-00\frac{1}{2}}{0}$	$\frac{-\frac{1}{2}00}{0}$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0}$		
1	(000)	1	1	0	0	1	0		
	(000)		3 384 P.4			$=\mathbb{Z}_2$ X_{BS}	= Z ₀ SI =	· 2'	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{4^{001}_{\frac{1}{2}00}}{4^{001}_{\frac{1}{2}00}}$	$\frac{2^{100}_{0\frac{1}{2}0}*}{2^{100}_{0\frac{1}{2}0}}$	$\frac{i}{i}$	$\frac{-22}{2_{000}^{110}*}$	$\frac{-22}{4^{001}_{\frac{1}{2}00}}$	$\frac{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}{g_{\frac{1}{2}\frac{1}{2}0}^{110}*}$	
$\frac{2}{0}$	(000)	0	$\frac{\frac{1}{2}00}{0}$	$\frac{20\frac{1}{2}0^{11}}{0}$	0	0	$\frac{\frac{1}{2}00}{0}$	$\frac{g_{\frac{1}{2}\frac{1}{2}0}}{0}$	
1	(000)	1	0	1	1	1	1	0	
	(000)					$=\mathbb{Z}_2$ X_{BS}			
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{4^{001}_{0\frac{1}{2}0}*}{4^{001}_{0\frac{1}{2}0}}$	$\frac{2^{110}}{2^{\frac{1}{2}\frac{1}{2}\frac{1}{2}}} *$		$\frac{- \mathbb{Z}_2 \mathbf{A}_{\mathrm{BS}}}{2^{010}_{\frac{1}{2}0\frac{1}{2}}}$	$\frac{-22}{4001}$	$\frac{-z_{2P}}{g_{\frac{1}{2}0\frac{1}{2}}^{100}*}$	
	(000)	0	$\frac{1_{0\frac{1}{2}0}1}{0}$	$\frac{\frac{2\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}}{0}$	$\frac{i_{\frac{1}{2}\frac{1}{2}0}*}{0}$	$\frac{\frac{2\frac{1}{2}0\frac{1}{2}}{0}}{0}$	$\frac{\frac{1}{2}00}{0}$	$\frac{g_{\frac{1}{2}0^{\frac{1}{2}}}}{0}$	
$\frac{0}{1}$	(000)	1	1	1	0	0	1	0	
	(000)	-		:/nnc Clas					
$\overline{\mathbb{Z}_2}$	weak			100 Clas		$\frac{= \mathbb{Z}_2 \Lambda_{BS}}{2^{110}}$	$=\mathbb{Z}_2$ SI =		
		$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}$	$2_{0\frac{1}{2}\frac{1}{2}}^{100}$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{110}_{00\frac{1}{2}}$	$\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}*$	$m_{1\bar{1}0}*$	
$\frac{0}{1}$	(000)	0	0	0	0	0	0	0	
	(000)								
	1	$\frac{127.387}{4^{001}}$	P4/mbm		$\frac{\text{ation} = \mathbb{Z}_M^3}{2^{110}}$	$X_{\mathrm{BS}} = \mathbb{Z}$ $\overline{4}^{001}$	$a_{4,4}$ SI = z_1	$z_{4m,0}^+, z_{4m,\pi}^+$	
$\mathbb{Z}_{4,4}$	weak		$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$		$Cm_{\underline{(2)}}^{1\overline{10}}$	$Cm_{(4)}^{001}$	
00	(000)	0	0	0	0	0	$\frac{4\overline{4}}{\overline{4}}$	$\frac{4\overline{4}00}{2004\overline{4}}$	
00	(000)	0	0	0	0	0	$\frac{\overline{44}}{2\overline{2}}$	0044	_
00	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	$\frac{0000}{00\overline{4}4}$	
00	(000)	0	0	1	0	1	$\frac{22}{11}$	$\frac{0044}{001\overline{1}}$	
$\frac{01}{02}$	(000)	0	0	0	0	0	$\frac{11}{22}$	$\frac{0011}{002\overline{2}}$	
03	(000)	0	0	1	0	1	$\frac{22}{33}$	$\frac{0022}{003\overline{3}}$	
10	(000)	0	0	1	0	1	$1\overline{1}$	$1\overline{1}00$	
	1 \								

11	(000)	0	0	0	0	0	00	1 <u>1</u> 1 <u>1</u>	
12	(000)	0	0	1	0	1	$\overline{1}$ 1	$1\overline{1}2\overline{2}$	
13	(000)	0	0	0	0	0	$\overline{2}2$	$1\overline{1}3\overline{3}$	
20	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}00$	
21	(000)	0	0	1	0	1	$1\overline{1}$	$2\overline{2}1\overline{1}$	
22	(000)	0	0	0	0	0	00	$2\overline{2}2\overline{2}$	
23	(000)	0	0	1	0	1	$\overline{1}1$	$2\overline{2}3\overline{3}$	
30	(000)	0	0	1	0	1	$3\overline{3}$	$3\overline{3}00$	
31	(000)	0	0	0	0	0	$2\overline{2}$	$3\overline{3}1\overline{1}$	
32	(000)	0	0	1	0	1	$1\overline{1}$	$3\overline{3}2\overline{2}$	
33	(000)	0	0	0	0	0	00	$3\overline{3}3\overline{3}$	
		127.390	P4'/mb'm	Class	sification = \mathbb{Z}_M^3	, Xrs	$S = \mathbb{Z}_{2,4}$ $SI =$	z'_{opo}, z'_{op}	
$\overline{\mathbb{Z}_{2,4}}$	weak	4001*	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$\bar{4}^{001}*$	$Cm_{(2)}^{110}$	$Cm_{(2)}^{001}$	
					$\frac{2\frac{1}{2}\frac{1}{2}0}{0}$				
00	(000)	0	0	0	0	0	$\frac{\overline{44}}{4\overline{4}}$	$\overline{2}22\overline{2}$	
00	(000)	0	0	0	0	0	$\frac{4\overline{4}}{2\overline{2}}$	$4\overline{4}00$	
00	(000)	0	0	0	0	0	$\frac{2\overline{2}}{\overline{2}}$	0000	
00	(000)	0	0	0	0	0	<u>2</u> 2	$\overline{2}2\overline{2}2$	
03	(000)	1	1	1	0	0	$1\overline{1}$	$1\overline{1}00$	
02	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}00$	
01	(000)	1	1	1	0	0	33	3300	
10	(000)	0	0	0	0	0	$\overline{\underline{2}}2$	<u>1111</u>	
13	(000)	1	1	1	0	0	<u>1</u> 1	0011	
12	(000)	0	0	0	0	0	00	1 <u>111</u>	
11	(000)	1	1	1	0	0	$1\overline{1}$	$2\overline{2}1\overline{1}$	
		127.391	P4'/mbm'	Class	sification = \mathbb{Z}_M^2	X_{BS}	$=\mathbb{Z}_{2,4}$ SI $=$	$z_{2m,\pi}^{+}, z_{4P}'$	
$\overline{\mathbb{Z}_{2,4}}$	weak	4001*	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}*$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$	$Cm_{(2)}^{001}$	
00	(000)	0	$\frac{\frac{1}{2} \frac{1}{2} 0}{0}$	0	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	0	$\frac{0}{2}\frac{1}{2}0$	$\frac{\overline{2222}}{2}$	
00	(000)	0	0	0	0	0	0	$\frac{2222}{4\overline{4}00}$	
00	(000)	0	0	0	0	0	0	$\frac{\overline{2222}}{2}$	
03	(000)	1	0	1	1	0	0	$\frac{2222}{1\overline{1}00}$	
02	(000)	0	0	0	0	0	0	$\frac{1100}{2\overline{2}00}$	
$\frac{02}{01}$	(000)	1	0	1	1	0	0	$\frac{2200}{3\overline{3}00}$	
10	(000)	0					0	<u> </u>	
13	/	1	0	0	0 1	0	0	$\frac{1111}{001\overline{1}}$	
$\frac{13}{12}$	(000)		0			0			
	(000)	0	0	0	0		0	1 <u>1</u> 1 <u>1</u>	
11	(000)	1	0	1	1	0	0	$2\overline{2}1\overline{1}$	
		127.39	$\frac{92 P4'/m'b}{123}$		classification =	\mathbb{Z}_M :	$X_{BS} = \mathbb{Z}_2$ SI:	$= z_{2,S_4}$	
\mathbb{Z}_2	weak	$4^{001}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}$	$Cm_{(0)}^{110}$		
0	(000)	0	0	0	0	0	$2\overline{2}$		
0	(000)	0	0	0	0	0	$2\overline{2}$		
1	(000)	1	0	0	1	1	$1\overline{1}$		
	/	.393 P4/m	b'm' Classi		$\mathbf{n} = \mathbb{Z}_M^2 \times \mathbb{Z}$	$X_{BS} =$		$z_{4m,0}^+, z_{4m,0}^-, z_{4m,\pi}^+$	
77	weak	$\frac{14001}{4001}$		$\frac{i}{i}$		$\frac{788 - 4001}{4001}$	$\frac{224,4,4}{2110}$ or $\frac{2}{110}$	$\frac{4m,0, \sim 4m,0, \sim 4m,\pi}{Cm^{001}}$	•
$\mathbb{Z}_{4,4,4}$			$2\frac{100}{\frac{1}{2}\frac{1}{2}0}*$		$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$		$g_{rac{1}{2}rac{1}{2}0}^{1\overline{1}0}*$	$Cm_{(4)}^{001}$	
000	(0012)	0	0	0	0	0	0	$4, \overline{16}, 0, \overline{12}$	
000	$(00\overline{4})$	0	0	0	0	0	0	0404	
000	(000)	0	0	0	0	0	0	$004\overline{4}$	
000	(000)	0	0	0	0	0	0	$00\overline{4}4$	
001	(000)	0	1	1	1	1	0	$001\overline{1}$	
002	(000)	0	0	0	0	0	0	$002\overline{2}$	
003	(000)	0	1	1	1	1	0	$003\overline{3}$	
010	$(00\overline{1})$	0	1	1	1	1	0	0101	
011	$(00\overline{1})$	0	0	0	0	0	0	0110	
012	$(00\overline{1})$	0	1	1	1	1	0	$012\overline{1}$	

010	(001)	0	0	0	0		0	0190
013	$(00\overline{1})$	0	0	0	0	0	0	$013\overline{2}$
020	$(00\overline{2})$	0	0	0	0	0	0	0202
021	$(00\overline{2})$	0	1	1	1	1	0	0211
022	$(00\overline{2})$	0	0	0	0	0	0	0220
023	$(00\overline{2})$	0	1	1	1	1	0	$023\overline{1}$
030	$(00\overline{3})$	0	1	1	1	1	0	0303
031	$(00\overline{3})$	0	0	0	0	0	0	0312
032	$(00\overline{3})$	0	1	1	1	1	0	0321
033	$(00\overline{3})$	0	0	0	0	0	0	0330
100	(003)	0	0	0	0	0	0	$1\overline{4}0\overline{3}$
101	(003)	0	1	1	1	1	0	$1\overline{4}1\overline{4}$
102	(003)	0	0	0	0	0	0	$1\overline{4}2\overline{5}$
103	(003)	0	1	1	1	1	0	$1\overline{4}3\overline{6}$
110	(002)	0	1	1	1	1	0	$1\overline{3}0\overline{2}$
111	(002)	0	0	0	0	0	0	$1\overline{3}1\overline{3}$
112	(002)	0	1	1	1	1	0	$1\overline{3}2\overline{4}$
113	(002)	0	0	0	0	0	0	$\overline{1\overline{3}3\overline{5}}$
120	(001)	0	0	0	0	0	0	$\frac{1201}{1}$
121	(001)	0	1	1	1	1	0	$\frac{1201}{1212}$
$\frac{121}{122}$	(001)	0	0	0	0	0	0	$\frac{1212}{1223}$
$\frac{122}{123}$	(001)	0	1	1	1	1	0	$\frac{1225}{1\overline{2}3\overline{4}}$
$\frac{123}{130}$	(001)	0	1	1	1	1	0	$\frac{1234}{1\overline{1}00}$
131	(000)	0	0	0	0	0	0	1 <u>1100</u> 1 <u>1</u> 111
$\frac{131}{132}$	(000)							$\frac{1111}{1\overline{1}2\overline{2}}$
	/	0	1	1	1	1	0	
133	(000)	0	0	0	0	0	0	$1\overline{1}3\overline{3}$
200	(006)	0	0	0	0	0	0	2806 2818
201	(006)	0	1	1	1	1	0	2817
202	(006)	0	0	0	0	0	0	$2\overline{8}2\overline{8}$
203	(006)	0	1	1	1	1	0	2839
210	(005)	0	1	1	1	1	0	$2\overline{7}0\overline{5}$
211	(005)	0	0	0	0	0	0	$2\overline{7}1\overline{6}$
212	(005)	0	1	1	1	1	0	$2\overline{7}2\overline{7}$
213	(005)	0	0	0	0	0	0	$2\overline{7}3\overline{8}$
220	(004)	0	0	0	0	0	0	$2\overline{6}0\overline{4}$
221	(004)	0	1	1	1	1	0	$2\overline{6}1\overline{5}$
222	(004)	0	0	0	0	0	0	$2\overline{6}2\overline{6}$
223	(004)	0	1	1	1	1	0	$2\overline{6}3\overline{7}$
230	(003)	0	1	1	1	1	0	$2\overline{5}0\overline{3}$
231	(003)	0	0	0	0	0	0	$2\overline{5}1\overline{4}$
232	(003)	0	1	1	1	1	0	$2\overline{5}2\overline{5}$
233	(003)	0	0	0	0	0	0	$2\overline{5}3\overline{6}$
300	(009)	0	0	0	0	0	0	$3, \overline{12}, 0, \overline{9}$
301	(009)	0	1	1	1	1	0	$3,\overline{12},1,\overline{10}$
302	(009)	0	0	0	0	0	0	$3,\overline{12},2,\overline{11}$
303	(009)	0	1	1	1	1	0	$3,\overline{12},\overline{3},\overline{12}$
310	(008)	0	1	1	1	1	0	$3,\overline{11},0,\overline{8}$
311	(008)	0	0	0	0	0	0	$\frac{3, \frac{2}{11}, \frac{3}{19}}{3, \frac{11}{11}, \frac{9}{19}}$
312	(008)	0	1	1	1	1	0	$\frac{0,11,1,5}{3,\overline{11},2,\overline{10}}$
$\frac{312}{313}$	(008)	0	0	0	0	0	0	$\frac{3,\overline{11},2,\overline{10}}{3,\overline{11},3,\overline{11}}$
$\frac{313}{320}$	(003)	0	0	0	0	0	0	$\frac{3,\overline{11},\overline{3},\overline{11}}{3,\overline{10},0,\overline{7}}$
$\frac{320}{321}$	(007)	0	1	1	1	1	0	$\frac{3,10,0,7}{3,\overline{10},1,\overline{8}}$
$\frac{321}{322}$	(007)	0				0	0	$\frac{3,\overline{10},\overline{1,8}}{3,\overline{10},2,\overline{9}}$
	/ /		0	0	0			
323	(007)	0	1	1	1	1	0	$3, \overline{10}, 3, \overline{10}$
330	(006)	0	1	1	1	1	0	$3\overline{9}0\overline{6}$
331	(006)	0	0	0	0	0	0	$3\overline{9}1\overline{7}$

220	(006)	0	1	1	1	1	0	$3\overline{9}2\overline{8}$		
$\frac{332}{333}$	(006)	0	$\frac{1}{0}$	$\frac{1}{0}$	0	$\frac{1}{0}$	0	$\frac{3928}{3\overline{9}3\overline{9}}$		
	(000)									
	1	127.3				$\frac{\mathbb{Z}_2}{4^{001}}$	$X_{\mathrm{BS}} = \mathbb{Z}_2 \mathrm{SI} =$	$= z_{2,S_4}$		
\mathbb{Z}_2	weak	$4^{001}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	•	$g_{rac{1}{2}rac{1}{2}0}^{110}*$			
0	(000)	0	0	0	0	0	0			
1	(000)	1	1	0	0	1	0			
		127.3	$\frac{396}{P_c4/m_c^2}$	bm Cla	ssification = 2	\mathbb{Z}_M^2 X	$I_{\mathrm{BS}} = \mathbb{Z}_4$ SI =	$= z_{4m,0}^+$		
$\overline{\mathbb{Z}_4}$	weak	$\{1 00\frac{1}{2}\}*$	4^{001}	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$\frac{1}{4}$ 001	$Cm_{(2)}^{1\bar{1}0}$	$Cm_{(4)}^{001}$	
0	(000)	0	0	$\frac{\frac{2}{2}}{0}$	0	$\frac{\overline{2}\overline{2}^{0}}{0}$	0	$\frac{4\overline{4}}{4\overline{4}}$	$\frac{4\overline{400}}{4\overline{400}}$	
0	(000)	0	0	0	0	0	0	$\frac{11}{2\overline{2}}$	0000	
0	(000)	0	0	0	0	0	0	${22}$	0000	
1	(000)	1	0	0	1	0	1	11	$1\overline{1}00$	
2	(000)	0	0	0	0	0	0	$2\overline{2}$	$2\overline{2}00$	
3	(000)	1	0	0	1	0	1	$3\overline{3}$	3300	
	/ /	127.397	P_C4/mbm	Classifi	$cation = \mathbb{Z}_M^3$	Y _{DG} -	$=\mathbb{Z}_{4,4}$ $\mathrm{SI}=z$	$z_{4m,0}^+, z_{4m,\pi}^+$		
$\mathbb{Z}_{4,4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{4^{001}}{4^{\frac{1}{2}\frac{1}{2}0}}*$	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}}{2^{10}}$	$\frac{i}{i}$	$\frac{2^{010}*}{2^{010}}$	$\frac{-24,4}{4001}$ *	$\frac{4m,0,24m,\pi}{m_{100}*}$	$Cm_{(2)}^{110}$	$Cm_{(4)}^{001}$
00	(000)	0	0	0	0	0	0	0	$\frac{4\overline{4}}{\overline{4}4}$	$\frac{4\overline{4}00}{004\overline{4}}$
00	(000)	0	0	0	0	0		0	$\frac{44}{2\overline{2}}$	$\frac{0044}{0000}$
00	(000)	0	0	0	0	0	0	0	$\frac{22}{2\overline{2}}$	$\frac{0000}{00\overline{44}}$
00	(000)	0	1	0	1	$\frac{0}{1}$	0	0	$\frac{22}{\overline{1}1}$	$\frac{0044}{001\overline{1}}$
$\frac{01}{02}$	(000)	0	0	0	0	0	0	0	$\frac{11}{\overline{2}2}$	$\frac{0011}{002\overline{2}}$
03	(000)	1	1	0	1	1	0	0	$\frac{22}{33}$	$\frac{0022}{003\overline{3}}$
10	(000)	1	1	0	1	1	0	0	$\frac{35}{1\overline{1}}$	$\frac{0033}{1\overline{1}00}$
11	(000)	0	0	0	0	0	0	0	00	$\frac{1100}{1\overline{1}1\overline{1}}$
12	(000)	1	1	0	1	1	0	0	$\frac{00}{11}$	$\frac{1111}{1\overline{1}2\overline{2}}$
13	(000)	0	0	0	0	0	0	0	$\frac{11}{22}$	$\frac{1122}{1\overline{1}3\overline{3}}$
20	(000)	0	0	0	0	0	0	0	$\frac{22}{2\overline{2}}$	$\frac{2\overline{2}00}{2}$
21	(000)	1	1	0	1	1	0	0	1 <u>1</u>	$\frac{2\overline{2}}{2\overline{1}}$
22	(000)	0	0	0	0	0	0	0	00	$\frac{2\overline{2}\overline{1}}{2\overline{2}}$
23	(000)	1	1	0	1	1	0	0	11	$2\overline{2}3\overline{3}$
30	(000)	1	1	0	1	1	0	0	33	3300
31	(000)	0	0	0	0	0	0	0	$2\overline{2}$	$3\overline{3}1\overline{1}$
32	(000)	1	1	0	1	1	0	0	11	$3\overline{3}2\overline{2}$
33	(000)	0	0	0	0	0	0	0	00	$3\overline{3}3\overline{3}$
	, ,	127.3	$\frac{1}{398} P_{\rm I}4/m_{\rm P}$	bm Cla	ssification = 2	\mathbb{Z}^2 X	$L_{\mathrm{BS}} = \mathbb{Z}_4$ SI =	= z+		
$\overline{\mathbb{Z}_4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{4^{001}}{4^{001}}$	$2^{100}_{00\frac{1}{2}}*$	$\frac{i}{i}$	$\frac{2^{110}}{2^{110}_{00\frac{1}{2}}}*$	$\frac{1001}{4001}$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{110}$	
0	(000)	0	0	$\frac{-00\frac{1}{2}}{0}$	0	$\frac{-00\frac{1}{2}}{0}$	0	$\frac{4\overline{400}}{4\overline{400}}$	$\frac{4\overline{4}}{4\overline{4}}$	
0	(000)	0	0	0	0	0	0	0000	$\frac{44}{\overline{2}2}$	
0	(000)	0	0	0	0	0	0	0000	$\frac{2\overline{2}}{2\overline{2}}$	
1	(000)	1	0	1	1	1	1	$\frac{0000}{1\overline{1}00}$	$\frac{22}{1\overline{1}}$	
2	(000)	0	0	0	0	0	0	$\frac{1100}{2\overline{2}00}$	$\frac{11}{2\overline{2}}$	
3	(000)	1	0	1	1	1	1	$\frac{2200}{3\overline{3}00}$	$\frac{22}{3\overline{3}}$	
	(000)						$_{\mathrm{BS}} = \mathbb{Z}_4 \mathrm{SI} =$			
		$\frac{128.}{4^{001}}$	100 100 100		$\frac{\text{onication} = \mathbb{Z}}{2110}$	$\frac{M}{4001}$	$BS = Z_4 S_1 = \frac{110}{110}$	$\frac{24m,0}{C_{a-1}001}$		
\mathbb{Z}_4	weak		$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$		$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}$	$Cm_{(4)}^{001}$		
0	(000)	0	0	0	0	0	0	$4\overline{4}00$		
0	(000)	0	0	0	0	0	0	0000		
1	(000)	0	0	1	0	1	1	$\frac{1\overline{1}00}{2\overline{2}00}$		
2	(000)	0	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$		
3	(000)	0	0	1	0	1	1	3300		
	T	128	$\frac{.402}{.100}P4'/m$	n'c Cla	assification =	\mathbb{Z}_M Σ	$X_{\mathrm{BS}} = \mathbb{Z}_4 \mathrm{SI} = g_{rac{1}{1}rac{1}{1}}^{110}$	$=z'_{4P}$		
\mathbb{Z}_4	weak	$4^{001}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$4^{001}*$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}$	$Cm_{(2)}^{001}$		

0	(000)	0	0	0	0	0	0	$4\overline{4}00$		
0	(000)	0	0	0	0	0	0	0000		
3	(000)	1	1	1	0	0	1	$1\overline{1}00$		
2	(000)	0	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	1	1	0	0	1	3300		
				mnc' Clas	sification =	$=\mathbb{Z}_M$ X_B	$_{ m S}=\mathbb{Z}_4$ SI =	$=z_{4P}'$		
\mathbb{Z}_4	weak	$4^{001}*$	$2^{100}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}*$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$	$Cm_{(2)}^{001}$		
0	(000)	0	0	0	0	0	0	$4\overline{4}00$		
0	(000)	0	0	0	0	0	0	0000		
3	(000)	1	0	1	1	0	0	$1\overline{1}00$		
2	(000)	0	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	0	1	1	0	0	$3\overline{3}00$		
-		128.	A04 P4'/r	n'n'c Clas	sification :	$= \mathbb{Z}_2 X_{BS}$	$S = \mathbb{Z}_2$ $SI =$	z_{2,S_4}		
\mathbb{Z}_2	weak	$4^{001}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}$	$g^{1\bar{1}0}_{rac{1}{2}rac{1}{2}rac{1}{2}}$, -		
0	(000)	0	$\frac{\overline{2} \ \overline{2} \ \overline{2}}{0}$	0	$\frac{\overline{2}\ \overline{2}\ \overline{2}}{0}$	0	$\frac{\overline{2} \overline{2} \overline{2}}{0}$			
1	(000)	1	0	0	1	1	1			
	(/		PA/mn'c'	<u> </u>	$n = \mathbb{Z}_{\infty}$	√7. X _{DG} -	$=\mathbb{Z}_{4,4}$ SI $=$	γ ⁺ γ ⁺		
$\overline{\mathbb{Z}_{4,4}}$	weak	$\frac{126.405}{4^{001}}$	$\frac{2^{100}_{\frac{1}{2},\frac{1}{2},\frac{1}{2}}}{2^{100}_{\frac{1}{2},\frac{1}{2},\frac{1}{2}}}*$	i	$\frac{2110 - 22M}{2\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\frac{\lambda}{4001}$	$\frac{-24,4}{g_{\frac{1}{2},\frac{1}{2},\frac{1}{2}}^{110}}*$	$\frac{z_{4m,0}, z_{4m,\pi}}{Cm_{(4)}^{001}}$		
			444		444		2 2 2			
00	(000)	0	0	0	0	0	0	4400		
00	(008)	0	0	0	0	0	4	0844		
00	(000)	0	0	0	0	0	0	0000		
$\frac{01}{02}$	(002)	0	0	1	0	1	$\frac{1}{2}$	0211 0422		
$\frac{02}{03}$	(004)	0	0	0 1	0	0 1	3	0633		
10	(000)	0	1	1	1	1	0	$\frac{0033}{1\overline{1}00}$		
11	(000)	0	1	0	1	0	1	1111		
$\frac{11}{12}$	(004)	0	1	1	1	1	2	1322		
$\frac{12}{13}$	(004)	0	1	0	1	0	3	1533		
20	(000)	0	0	0	0	0	0	$\frac{1500}{2\overline{2}00}$		
$\frac{20}{21}$	(000)	0	0	1	0	1	1	2011		
22	(004)	0	0	0	0	0	2	2222		
23	(006)	0	0	1	0	1	3	2433		
30	(000)	0	1	1	1	1	0	$3\overline{3}00$		
31	(002)	0	1	0	1	0	1	$3\overline{1}11$		
32	(004)	0	1	1	1	1	2	3122		
33	(006)	0	1	0	1	0	3	3333		
	•	128.	.406 P4'/s	n'nc' Clas	sification :	$=\mathbb{Z}_2$ X_{BS}	$S = \mathbb{Z}_2$ $SI =$	$z_{2.S_4}$		
\mathbb{Z}_2	weak	4 ⁰⁰¹ *	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\frac{2}{4^{001}}$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$	-,~+		
$\frac{-2}{0}$	(000)	0	$\frac{-\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	0	$\frac{-\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	0	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0}$			
1	(000)	1	1	0	0	1	0			
	(000)		$\frac{1}{408 P_c 4/r}$				$=\mathbb{Z}_4$ SI $=$	₂ +		
77	nroe1-		$\frac{408 P_c 4/7}{4^{001}}$	11110 Class.	$\frac{\text{incation} = }{i}$	$\underline{\omega_M}$ Λ_{BS}	$\frac{= \mathbb{Z}_4 \text{S1} = }{\bar{4}^{001}}$	$^{\sim}4m,0$	Cm 001	
\mathbb{Z}_4	weak	$\{1 00\frac{1}{2}\}*$		$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$		$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$		$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$	$Cm_{(4)}^{001}$	
0	(000)	0	0	0	0	0	0	0	$\frac{4\bar{4}00}{2000}$	
0	(000)	0	0	0	0	0	0	0	0000	
1	(000)	1	0	1	1	1	1	0	$\frac{1\overline{1}00}{2\overline{2}00}$	
$\frac{2}{3}$	(000)	0	0	0	0	0	0	0	$\frac{2\overline{2}00}{3\overline{3}00}$	
<u> </u>	(000)					-	1	0	9900	
F77		128.		mnc Class		\mathbb{Z}_M X_{BS}	$S = \mathbb{Z}_4$ $SI = \overline{A}_{001}$	$z_{4m,0}^{+}$	0.001	
\mathbb{Z}_4	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	i	$2^{010}_{00\frac{1}{2}}*$	$\bar{4}^{001}_{rac{1}{2}rac{1}{2}0}*$	$g_{00\frac{1}{2}}^{100}*$	$Cm_{(4)}^{001}$	
0	(000)	0	0	0	0	0	0	0	$4\overline{4}00$	
0	(000)	0	0	0	0	0	0	0	0000	
1	(000)	1	1	0	1	1	0	0	$1\overline{1}00$	

2	(000)	0	0	0	0	0	0	0	$2\overline{2}00$
3	(000)	1	1	0	1	1	0	0	$3\overline{3}00$
		128.4	$10 P_I 4/r$	mnc Class	sification =	\mathbb{Z}_M X_{B}	$S = \mathbb{Z}_4$ $SI =$	$z_{4m,0}^{+}$	
\mathbb{Z}_4	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	4001	$2^{100}*$	i	$2^{110}*$	$\bar{4}^{001}$	$m_{1\bar{1}0}*$	$Cm_{(4)}^{001}$
0	(000)	0	0	0	0	0	0	0	$4\overline{400}$
0	(000)	0	0	0	0	0	0	0	0000
1	(000)	1	0	1	1	1	1	0	$1\overline{1}00$
2	(000)	0	0	0	0	0	0	0	$2\overline{2}00$
3	(000)	1	0	1	1	1	1	0	$3\overline{3}00$
		129.4	,	nmm Clas	ssification =		$_{\mathrm{BS}}=\mathbb{Z}_{2} \mathrm{SI}=% \left\{ \mathbf{Z}_{1}\right\} =\left\{ \mathbf{Z}_{2}\right\} $		
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{\frac{1}{2}00}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$\bar{4}^{001}_{\frac{1}{2}00}$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{1\bar{1}0}$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	00	
0	(000)	0	0	0	0	0	0000	$2\overline{2}$	
1	(000)	0	0	1	0	1	$1\overline{1}00$	$1\overline{1}$	
		129.4	14 P4'/	nm'm Cla	ssification	$= \mathbb{Z}_M X$	$\mathbb{I}_{\mathrm{BS}} = \mathbb{Z}_2$ SI =	$=z'_{2P}$	
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{\frac{1}{2}00}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$\bar{4}^{001}_{\frac{1}{2}00}*$	$Cm_{(2)}^{1\bar{1}0}$	-	
0	(000)	$\frac{\frac{1}{2}00}{0}$	$\frac{\frac{1}{2}00}{0}$	0	$\frac{\frac{\overline{2}}{2}\overline{2}0}{0}$	$\frac{\frac{1}{2}00}{0}$	$\frac{2\overline{2}}{2}$		
0	(000)	0	0	0	0	0	$2\overline{2}$		
1	(000)	1	1	1	0	0	$1\overline{1}$		
	,	129.4	15 P4'/	nmm' Cla	ssification	$=\mathbb{Z}_{M}$ X	$I_{\mathrm{BS}} = \mathbb{Z}_2$ SI =	$= z'_{2D}$	
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{\frac{1}{2}00}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\frac{4001}{200}*$	$\frac{1}{m_{1\bar{1}0}}*$	$Cm_{(2)}^{100}$	
0	(000)	$\frac{1}{2}00$	0	0	$\frac{1}{2}\frac{1}{2}0$	0	0	$\frac{2\overline{200}}{2\overline{200}}$	
0	(000)	0	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$	
1	(000)	1	0	1	1	0	0	$1\overline{1}00$	
	/ /	129 41	6 PA'/n	'm'm Cla	ssification	= 7. M X	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ $\mathrm{SI}=$	= 70 C	
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{\frac{1}{2}00}$	<i>i</i> *	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}*}{2^{110}_{\frac{1}{2}\frac{1}{2}0}}$	$\frac{4001}{400}$	$\frac{Cm_{(0)}^{110}}{Cm_{(0)}^{110}}$	~2,54	
$\frac{-2}{0}$	(000)	$\frac{\frac{1}{2}00}{0}$	$\frac{-\frac{1}{2}00}{0}$	0	$\frac{-\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{\frac{1}{2}00}{0}$	$\frac{2\overline{2}}{2}$		
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$		
1	(000)	1	0	0	1	1	$\frac{22}{1\overline{1}}$		
	(000)	129.417	P4/nm'm		$\frac{1}{\text{ation}} = \mathbb{Z}$	√ 7° V ¬	$S = \mathbb{Z}_{2,4}$ $SI =$	- ~ ~ ~ ~ . ~	
$\overline{\mathbb{Z}_{2,4}}$	weak	$\frac{4^{001}_{\frac{1}{2}00}}{4^{001}_{\frac{1}{2}00}}$	$\frac{2^{100}_{\frac{1}{2}00}*}{2^{100}_{\frac{1}{2}00}}$	i	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}*}{2^{110}_{\frac{1}{2}\frac{1}{2}0}}*$	$\frac{\lambda Z_2}{4_{\frac{1}{2}00}^{001}}$	$\frac{S - Z_{2,4}}{m_{1\bar{1}0}*}$	$-2, S_4, 24C$	
$\frac{22,4}{00}$	(000)	$\frac{\frac{1}{2}00}{0}$	$\frac{2\frac{1}{2}00}{0}$	0	$\frac{2\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{1}{2}00$	0		
00	(000) $(00\overline{4})$	0	0	0	0	0	0		
03	$(00\overline{1})$	0	0	0	0	0	0		
02	$(00\overline{2})$	0	0	0	0	0	0		
01	$(00\overline{3})$	0	0	0	0	0	0		
10	(000)	0	1	1	1	1	0		
13	$(00\overline{1})$	0	1	1	1	1	0		
12	$(00\overline{2})$	0	1	1	1	1	0		
11	$(00\overline{3})$	0	1	1	1	1	0		
		129.41	8 P4'/n	'mm' Cla	ssification	$=\mathbb{Z}_M$ X	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ SI =	$= z_{2,S_4}$	
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{\frac{1}{2}00}*$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$\frac{1}{4}^{001}_{\frac{1}{2}00}$	$m_{1\bar{1}0}*$	$Cm_{(0)}^{100}$	
0	(000)	0	$\frac{200}{0}$	0	0	0	0	$2\overline{200}$	
0	(000)	0	0	0	0	0	0	$2\overline{2}00$	
1	(000)	1	1	0	0	1	0	$1\overline{1}00$	
		129.4	$\frac{120 P_{c}4}{}$	nmm Cla	ssification :	$=\mathbb{Z}_{M}^{2}$ X	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ $\mathrm{SI}=% \mathrm{SI}_{2}$	= z' _{2P}	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{\frac{1}{2}00}$	i	$\frac{-M}{2\frac{1}{2}\frac{1}{2}0}$	$\frac{4001}{\frac{1}{2}00}$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{1\bar{1}0}$
0	(000)	0	$\frac{\frac{1}{2}00}{0}$	$\frac{\frac{1}{2}00}{0}$	0	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{\frac{1}{2}00}{0}$	$\frac{2\overline{200}}{2\overline{200}}$	$\frac{2\overline{2}}{2\overline{2}}$
0	(000)	0	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$	00
0	(000)	0	0	0	0	0	0	0000	$\frac{\overline{22}}{2}$
	(000)	~	~	~	<u> </u>	~	<u> </u>		

1	(000)	1	0	0	1	0	1	$1\overline{1}00$	11	
-		129.4	$\frac{121}{P_C4}$	nmm Cla	ssification :	$=\mathbb{Z}_M^2$ $X_{\mathbb{R}}$	$_{\mathrm{SS}}=\mathbb{Z}_{2}$ SI =	$=z'_{2P}$		
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{\frac{1}{2}00}$	$2^{110}_{000}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{\frac{1}{2}00}*$	$\bar{4}^{001}_{0\frac{1}{2}0}*$	$Cm_{(2)}^{110}$	$Cm_{(2)}^{100}$	
0	(000)	0	0	0	0	0	$\frac{0}{0}$	$\frac{2\overline{2}}{2}$	$\frac{2\overline{2}00}{2}$	
0	(000)	0	0	0	0	0	0	$2\overline{2}$	0000	
0	(000)	0	0	0	0	0	0	00	$2\overline{2}00$	
1	(000)	1	0	1	0	1	0	11	1100	
		129.4	422 Pr4/	nmm Cla	ssification =	$= \mathbb{Z}_{2}^{2}$ X_{D}	$_{\mathrm{SS}}=\mathbb{Z}_{2}$ SI =	= z' _{2P}		
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{4^{001}_{\frac{1}{2}00}}{4^{000}}$	$\frac{2^{100}_{0\frac{1}{2}\frac{1}{2}}}{2^{100}_{0\frac{1}{2}\frac{1}{2}}}$		$\frac{2M}{200\frac{1}{2}}$ *	$\frac{\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}}{\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}}$	$\frac{-z_{2}P}{Cm_{(2)}^{010}}$	$Cm_{(2)}^{1\bar{1}0}$	
					$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$				$\frac{2\overline{2}}{2\overline{2}}$	
0	(000)	0	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$	00	
0	(000)		0				0	0000	$\frac{00}{2\overline{2}}$	
1	(000)	0	0	0	0	0	0	$\frac{0000}{1\overline{1}00}$	$\frac{22}{1\overline{1}}$	
	(000)								11	
	,			/ncc Clas			$=\mathbb{Z}_2$ SI $=$	z'_{2P}		
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{rac{1}{2}00}$	$g_{00\frac{1}{2}}^{1\overline{1}0}$			
0	(000)	0	0	0	0	0	0			
1	(000)	0	0	1	0	1	1			
		130	$0.426 ext{ } P4'$	/nc'c Clas	ssification =	$= \mathbb{Z}_2 X_{BS}$	$= \mathbb{Z}_2 SI =$	z'_{2P}		
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}00}*$	$g_{00\frac{1}{2}}^{1\overline{10}}$			
0	(000)	0	$\frac{202}{0}$	0	$0^{\frac{2}{2}}$	0	$\frac{00_2}{0}$			
1	(000)	1	1	1	0	0	1			
		130	1427 PA'	/ncc' Clas	sification -	- 7.0 Xpg	$=\mathbb{Z}_2$ SI $=$	~ <u>'</u> _		
$\overline{\mathbb{Z}_2}$	weak	$\frac{4^{001}_{\frac{1}{2}00}*}{4^{001}_{\frac{1}{2}00}}$	$\frac{2^{100}_{\frac{1}{2}0^{\frac{1}{2}}}}{2^{100}_{\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{110}}*$	$\frac{-22}{4_{\frac{1}{2}00}^{001}}*$	$\frac{-22}{g_{00\frac{1}{2}}^{110}*}$	~2P		
0	(000)	0	0	0	0	0	0			
1	(000)	1								
				n'c'c Clas			$=\mathbb{Z}_2$ SI $=$	z_{2,S_4}		
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}_{\frac{1}{2}00}$	$g_{00rac{1}{2}}^{1ar{1}0}$			
0	(000)	0	0	0	0	0	0			
1	(000)	1	0	0	1	1	1			
		130.429	P4/nc'c'	Classifica	$tion = \mathbb{Z} \times$	\mathbb{Z}_2 X_{BS} =	$=\mathbb{Z}_{2,4}$ SI $=$	z_{2,S_4}, z'_{4C}		
$\overline{\mathbb{Z}_{2,4}}$	weak	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{\frac{1}{2}0^{\frac{1}{2}}}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}_{\frac{1}{2}00}$	$g_{00\frac{1}{2}}^{110}*$			
00	(000)	$\frac{\frac{200}{0}}{0}$	$\frac{202}{0}$	0	$\frac{222}{0}$	0	$\frac{00_2}{0}$			
00	(008)	0	0	0	0	0	4			
01	(002)	0	1	0	1	0	1			
02	(004)	0	0	0	0	0	2			
03	(006)	0	1	0	1	0	3			
10	(000)	0	1	1	1	1	0			
11	(002)	0	0	1	0	1	1			
12	(004)	0	1	1	1	1	2			
13	(006)	0	0	1	0	1	3			
_		130.	430 P4'/	n'cc' Clas	sification =	$= \mathbb{Z}_2 X_{BS}$	$=\mathbb{Z}_2$ SI $=$	$z_{2,S_{A}}$		
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{\frac{1}{2}0^{\frac{1}{2}}}*$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\frac{2}{4^{001}_{\frac{1}{2}00}}$	$g_{00\frac{1}{2}}^{110}*$	/·- -		
0	(000)	0	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	0	$\frac{\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{\frac{1}{2}00}{0}$	$\frac{300\frac{1}{2}}{0}$			
1	(000)	1	1	0	0	1	0			
	(500)	196	$0.432 P_c 4$	$\frac{1}{ncc}$ Clas				~/		
$\overline{\mathbb{Z}_2}$	weak	$\frac{130}{\{1 00\frac{1}{2}\}*}$		9100 L	$\frac{\text{sincation}}{i}$	- ∠2 ABS 2110	$=\mathbb{Z}_2$ SI $=$ $\overline{\scriptstyle 1001}$			
		_	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{\frac{1}{2}00}*$		$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}_{\frac{1}{2}00}$	$m_{1\bar{1}0}*$		
0	(000)	0	0	0	0	0	0	0		
1	(000)	1	0	1	1	1	1	0		
				1/ncc Clas		$= \mathbb{Z}_2 X_{BS}$	$=\mathbb{Z}_2$ SI $=$	z'_{2P}		
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{\frac{1}{2}00}$	$2^{110}_{00\frac{1}{2}}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$\frac{2^{010}}{2^{010}_{\frac{1}{2}0^{\frac{1}{2}}}}*$	$\bar{4}^{001}_{0\frac{1}{2}0}*$	$g^{100}_{\frac{1}{2}0\frac{1}{2}}$		

0	(000)	0	0	0	0	0	0	0		
1	(000)	1	0	1	0	1	0	1		
		130	.434 $P_{I}4$	/ncc Clas	sification =	$= \mathbb{Z}_2 X_{BS}$	$S = \mathbb{Z}_2$ $SI =$			
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{0\frac{1}{2}0}*$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	2 ¹¹⁰ *	$\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{1\overline{1}0}$		
0	(000)	0	0	0	0	0	0	0		
1	(000)	1	0	1	0	1	0	1		
		131.435	$P4_2/mm$	c Classifi	$cation = \mathbb{Z}$	$X_{RS} = X_{RS}$	$\mathbb{Z}_{2,4}$ $\mathrm{SI} =$	z'_{2D1}, z'_{4D}		
$\overline{\mathbb{Z}_{2,4}}$	weak	$4^{001}_{00\frac{1}{2}}$	2^{100}	$\frac{i}{i}$	$2^{110}_{00\frac{1}{2}}$	$\frac{4001}{400\frac{1}{2}}$	$g_{00\frac{1}{2}}^{110}$	$\frac{Cm_{(2)}^{100}}{Cm_{(2)}^{100}}$	$Cm_{(4)}^{001}$	
00	(000)	$\frac{00_{\bar{2}}}{0}$	0	0	$\frac{00_{\overline{2}}}{0}$	$\frac{00_{\overline{2}}}{0}$	$\frac{00_{\bar{2}}}{0}$	$\frac{2\overline{2}2\overline{2}}{2}$	0000	
00	(000)	0	0	0	0	0	0	$4\overline{4}00$	$4\overline{4}00$	
00	(000)	0	0	0	0	0	0	$00\overline{2}2$	0000	
00	(000)	0	0	0	0	0	0	$\overline{2}200$	0000	
03	(000)	0	0	1	0	1	1	$1\overline{1}00$	$1\overline{1}00$	
02	(000)	0	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	
01	(000)	0	0	1	0	1	1	$3\overline{3}00$	$3\overline{3}00$	
10	(000)	0	0	0	0	0	0	1111	0000	
13	(000)	0	0	1	0	1	1	$2\overline{2}1\overline{1}$	$1\overline{1}00$	
12	(000)	0	0	0	0	0	0	$3\overline{3}1\overline{1}$	$2\overline{2}00$	
11	(000)	0	0	1	0	1	1	$4\overline{4}1\overline{1}$	$3\overline{3}00$	
		131.4			ssification	$=\mathbb{Z}_M$ X	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ SI	$=z_{2P}'$		
\mathbb{Z}_2	weak	$4_{00\frac{1}{2}}^{001} *$	$2^{100}*$	i	$2^{110}_{00\frac{1}{2}}$	$\bar{4}^{001}_{00\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{1\overline{10}}$	$Cm_{(2)}^{001}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	1	1	0	0	1	$1\overline{1}00$		
		131.439	$P4_2'/mm$	c' Classifi	$ication = \mathbb{Z}$	Z_M^3 $X_{BS} =$	$=\mathbb{Z}_{2,4}$ $\mathrm{SI}=$	$z'_{2P.1}, z'_{4P}$		
$\mathbb{Z}_{2,4}$	weak	$4^{001}_{00\frac{1}{2}}*$	2 ¹⁰⁰	i	$2^{110}_{00\frac{1}{2}}*$	$\bar{4}^{001}_{00\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{1\overline{10}}*$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{001}$	_
00	(000)	0	0	0	$\frac{00_2}{0}$	0	0	$2\overline{2}2\overline{2}$	0000	
00	(000)	0	0	0	0	0	0	$4\overline{4}00$	$4\overline{4}00$	
00	(000)	0	0	0	0	0	0	$00\overline{2}2$	0000	
00	(000)	0	0	0	0	0	0	$\overline{2}200$	0000	
03	(000)	1	0	1	1	0	0	$1\overline{1}00$	$1\overline{1}00$	
02	(000)	0	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	
01	(000)	1	0	1	1	0	0	$3\overline{3}00$	$3\overline{3}00$	
10	(000)	0	0	0	0	0	0	1 <u>1</u> 1 <u>1</u>	0000	
13	(000)	1	0	1	1	0	0	$2\overline{2}1\overline{1}$	1100	
12	(000)	0	0	0	0	0	0	3311	$2\overline{2}00$	
11	(000)	<u> </u>	0	1	1	0	0	$4\overline{4}1\overline{1}$	$3\overline{3}00$	
		131.4			assification		$_{\mathrm{SS}} = \mathbb{Z}_2$ SI =	$= z_{2,S_4}$		
\mathbb{Z}_2	weak	$4^{001}_{00\frac{1}{2}}*$	2^{100}	i*	$2^{110}_{00\frac{1}{2}}*$	$\bar{4}^{001}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{110}$			
0	(000)	0	0	0	0	0	0			
1	(000)	1	0	0	1	1	1			
			$1_2/mm'c'$	Classificat	$tion = \mathbb{Z}_M$	$\times \mathbb{Z}$ X_{BS}	$=\mathbb{Z}_{2,4}$ SI =	$=z_{2m,\pi}^+,z_{4m,0}^+$	1	
$\mathbb{Z}_{2,4}$	weak	$4_{00\frac{1}{2}}^{001}$	$2^{100}*$	i	$2^{110}_{00\frac{1}{2}}*$	$\bar{4}^{001}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{110}*$	$Cm_{(4)}^{001}$		
00	$(00\overline{4})$	$\frac{\overline{2}}{2}$	0	0	0	0	$\frac{\overline{2}}{2}$	0422		
00	(000)	0	0	0	0	0	0	$4\overline{4}00$		
00	(000)	0	0	0	0	0	0	0000		
01	(000)	0	1	1	1	1	0	$1\overline{1}00$	-	
02	(000)	0	0	0	0	0	0	$2\overline{2}00$		
03	(000)	0	1	1	1	1	0	3300		
10	$(00\overline{2})$	1	1	1	0	0	1	0211		
11	$(00\overline{2})$	$\frac{1}{1}$	0	0	1	1	$\frac{1}{1}$	1111		
12	$(00\bar{2})$	1	1	1	0	0	1	2011		

13	$(00\overline{2})$	1	0	0	1	1	1	$3\overline{1}11$		
		131.44	$12 P4_2'/n$	n'mc' Clas	ssification =	$=\mathbb{Z}_M^2$ X:	$_{\mathrm{BS}} = \mathbb{Z}_2 \mathrm{SI} =$	z_{2,S_4}		
\mathbb{Z}_2	weak	$4^{001}_{00\frac{1}{2}}*$	2100*	i*	$2^{110}_{00\frac{1}{2}}$	$\frac{7}{4}^{001}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{1\overline{10}}*$	$Cm_{(0)}^{100}$		
0	(000)	0	0	0	0	0	0	$\overline{2\overline{2}00}$		
0	(000)	0	0	0	0	0	0	$1\overline{1}1\overline{1}$		
0	(000)	0	0	0	0	0	0	1111		
1	(000)	1	1	0	0	1	0	$1\overline{1}00$		
		131.444	P_c4_2/mn	nc Classifi	$cation = \mathbb{Z}^2$	$_{M}^{3}$ X_{BS} =	$= \mathbb{Z}_{2,4} \text{SI} = z_{\frac{1}{4}}$	z_{P1}', z_{AP}'		
$\overline{\mathbb{Z}_{2,4}}$	weak	$\{1 00\frac{1}{2}\}*$	4001*	2^{100}	i	$2^{110}*$	$\bar{4}^{001}*$	$m_{1\bar{1}0}*$	$Cm_{(2)}^{100}$	$Cm_{(4)}^{001}$
00	(000)	0	0	0	0	0	0	0	$2\overline{2}2\overline{2}$	0000
00	(000)	0	0	0	0	0	0	0	$4\overline{4}00$	$4\overline{4}00$
00	(000)	0	0	0	0	0	0	0	$00\overline{2}2$	0000
00	(000)	0	0	0	0	0	0	0	$\bar{2}200$	0000
03	(000)	1	1	0	1	1	0	0	$1\overline{1}00$	$1\overline{1}00$
02	(000)	0	0	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$
01	(000)	1	1	0	1	1	0	0	$3\overline{3}00$	$3\overline{3}00$
10	(000)	0	0	0	0	0	0	0	$1\overline{1}1\overline{1}$	0000
13	(000)	1	1	0	1	1	0	0	$2\overline{2}1\overline{1}$	$1\overline{1}00$
12	(000)	0	0	0	0	0	0	0	$3\overline{3}1\overline{1}$	$2\overline{2}00$
11	(000)	1	1	0	1	1	0	0	$4\overline{4}1\overline{1}$	$3\overline{3}00$
		131.4	$45 P_C 4_2$	/mmc Cla	ssification :	$=\mathbb{Z}_M^2$ X	$X_{\rm BS} = \mathbb{Z}_4 \text{SI} = \frac{1}{4^{001}_{00\frac{1}{2}}}$	$=z'_{4P}$		
\mathbb{Z}_4	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4_{00\frac{1}{2}}^{001}$	$2^{110}_{00\frac{1}{2}}$	i	2^{010}	$\bar{4}^{001}_{00\frac{1}{2}}$	$Cm_{(2)}^{010}$	$Cm_{(4)}^{001}$	
0	(000)	0	0	0	0	0	0	$\overline{4\overline{4}00}$	$4\overline{400}$	
0	(000)	0	0	0	0	0	0	$2\overline{2}00$	0000	
0	(000)	0	0	0	0	0	0	2200	0000	
3	(000)	1	0	0	1	0	1	$1\overline{1}00$	$1\overline{1}00$	
2	(000)	0	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	
1	(000)	1	0	0	1	0	1	$3\overline{3}00$	$3\overline{3}00$	
		131.4	$46 P_{I}4_{2}$	mmc Cla	ssification =	$=\mathbb{Z}_{M}^{2}$ X	$I_{\mathrm{BS}} = \mathbb{Z}_4$ $\mathrm{SI} =$	z'_{AP}		
$\overline{\mathbb{Z}_4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}\frac{1}{2}0}*$	2^{100}	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\frac{\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$	$Cm_{(2)}^{010}$	$Cm_{(4)}^{001}$
0	(000)	0	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	0	0	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{-\frac{1}{2}\frac{1}{2}0}{0}$	$4\overline{400}$	$\frac{4\overline{4}00}{}$
0	(000)	0	0	0	0	0	0	0	$2\overline{2}00$	0000
0	(000)	0	0	0	0	0	0	0	$\overline{2}200$	0000
3	(000)	1	1	0	1	1	0	0	$1\overline{1}00$	$1\overline{1}00$
2	(000)	0	0	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$
1	(000)	1	1	0	1	1	0	0	$3\overline{3}00$	$3\overline{3}00$
		132.4	$\frac{147 P4_2}{}$	mcm Clas	ssification =	$=\mathbb{Z}_{M}^{2}$ X	$_{\mathrm{BS}}=\mathbb{Z}_{4}$ $\mathrm{SI}=% \mathrm{SI}_{4}$	z'_{AD}		
\mathbb{Z}_4	weak	$4_{00\frac{1}{2}}^{001}$	$2^{100}_{00\frac{1}{2}}$	i	2^{110}	$\frac{M}{4^{001}_{00\frac{1}{2}}}$	$Cm_{(2)}^{110}$	$Cm_{(4)}^{001}$		
0	(000)	$00\frac{1}{2}$	$00\frac{1}{2}$	0	0	$00\frac{1}{2}$	${4\overline{4}}$	$\frac{4\overline{400}}{4\overline{400}}$		_
0	(000)	0	0	0	0	0	$\frac{11}{2\overline{2}}$	0000		
0	(000)	0	0	0	0	0	$\frac{\overline{2}}{2}$	0000		
3	(000)	0	0	1	0	1	11	$1\overline{1}00$		
2	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}00$		
1	(000)	0	0	1	0	1	$3\overline{3}$	3300		
		132.4	$50 P4_2'/2$	<i>mc′m</i> Cla	ssification =	$=\mathbb{Z}_{M}^{2}$ X	$I_{BS} = \mathbb{Z}_4$ $SI =$	z'_{AD}		
$\overline{\mathbb{Z}_4}$	weak	$4^{001}_{00\frac{1}{2}}*$	$\frac{2^{100}_{00\frac{1}{2}}*}{2^{100}_{00\frac{1}{2}}}$	$\frac{i}{i}$	2^{110}	$\frac{4001}{400\frac{1}{2}}$ *	$Cm_{(2)}^{110}$	$Cm_{(2)}^{001}$		
0	(000)	00½	00 ½	0	0	$00\frac{1}{2}$	$\frac{4\overline{4}}{4\overline{4}}$	$\frac{4\overline{400}}{400}$		
0	(000)	0	0	0	0	0	$\frac{\overline{22}}{2}$	0000		
0	(000)	0	0	0	0	0	$\frac{22}{22}$	0000		
3	(000)	1	1	1	0	0	<u> </u>	$1\overline{1}00$		
2	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}00$		
1	(000)	1	1	1	0	0	$3\overline{3}$	3300		

		139 /	151 <i>PA'</i> //	$\frac{m_{cm'}}{\text{Cls}}$	esification	- 7., X	$X_{\mathrm{BS}} = \mathbb{Z}_2$ SI =	- ~'		
$\overline{\mathbb{Z}_2}$	weak	$\frac{4^{001}_{00\frac{1}{2}}*}{4^{001}_{00\frac{1}{2}}}$	$\frac{2^{100}_{00\frac{1}{2}}}{2^{100}_{00\frac{1}{2}}}$	$\frac{i}{i}$	2 ¹¹⁰ *	$\frac{-24M}{4001}$ *	$\frac{x_{\rm BS} - z_2}{m_{1\bar{1}0}*}$	$\frac{-z_{2P}}{Cm_{(2)}^{001}}$		
0	(000)	$\frac{100\frac{1}{2}}{0}$	$\frac{-00\frac{1}{2}}{0}$	0	0	$\frac{100\frac{1}{2}}{0}$	0	$\frac{2\overline{200}}{2\overline{200}}$		
0	(000)	0	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$		
1	(000)	1	0	1	1	0	0	$\frac{1100}{1}$		
	(000)				ssification =		$\overline{X}_{\mathrm{BS}} = \overline{\mathbb{Z}}_2 \mathrm{SI} =$			
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{00\frac{1}{2}}*$	$\frac{2^{100}}{2^{100}_{00\frac{1}{2}}}$	$\frac{i \in m}{i*}$	2 ¹¹⁰ *	$\frac{- \angle M A}{4_{00\frac{1}{2}}^{001}}$	$\frac{L_{\rm BS} - Z_2 - S_1 - C_{\rm m}^{110}}{Cm_{(0)}^{110}}$	$-22,S_4$		
							$\frac{Cm_{(0)}}{2\overline{2}}$			
$\frac{0}{0}$	(000)	0	0	0	0	0	$\frac{22}{2\overline{2}}$			
1	(000)	0 1	0	0	1	1	$\frac{22}{1\overline{1}}$			
	/							+ +		
777		132.453 P4	$\frac{42/mc\ m}{2100}$	i	$\frac{11001 = \mathbb{Z}_M}{2^{110} *}$	$\frac{\times \mathbb{Z} \mathbf{\Lambda}_{\mathrm{BS}}}{7001}$	$S = \mathbb{Z}_{2,4}$ $SI = \mathbb{Z}_{2,4}$	$z_{2m,\pi}, z_{4m,0}$)	
$\mathbb{Z}_{2,4}$	weak	$4_{00\frac{1}{2}}^{001}$	$2^{100}_{00\frac{1}{2}}*$			$\bar{4}^{001}_{00\frac{1}{2}}$	$m_{1\bar{1}0}*$	$Cm_{(4)}^{001}$		
00	(004)	2	0	0	0	0	0	$\frac{0422}{4\overline{4}00}$		
00	(000)	0	0	0	0	0	0	$\frac{4\overline{4}00}{0000}$		
$\frac{00}{01}$	(000)	0	0	0	0 1	1	0	$\frac{0000}{1\overline{1}00}$		
$\frac{01}{02}$	(000)	0	0	0	0	0	0	$\frac{1100}{2\overline{2}00}$		
$\frac{02}{03}$	(000)	0	1	1	1	1	0	$\frac{2200}{3\overline{3}00}$		
10	(000)	1	0	1	1	0	0	0211		
11	(002)	1	1	0	0	1	0	1111		
12	(002)	1	0	1	1	0	0	2011		
13	(002)	1	1	0	0	1	0	$3\overline{1}11$		
		132.4	$\frac{1}{54} P4'_{2}/r$	n'cm' Cle	assification	$= \mathbb{Z}_2 X$	$_{\mathrm{BS}} = \mathbb{Z}_2 \mathrm{SI} =$	Z2 S.		
\mathbb{Z}_2	weak	$4^{001}_{00\frac{1}{2}}*$	$2^{100}_{00\frac{1}{2}}*$	i*	2^{110}	$\frac{2}{4_{00\frac{1}{2}}^{001}}$	$\frac{1}{m_{1\bar{1}0}}*$	2,04		
0	(000)	$00_{\overline{2}}$	$00_{\overline{2}}$	0	0	$00_{\overline{2}}$	0			
1	(000)	1	1	0	0	1	0			
	()			mcm Cla	ssification	$= 7^{2}$. X	$T_{\rm DG} = \mathbb{Z}_4$ SI =	= 2'		
	,	132.4	$\frac{1}{456} P_c 4_2 /$	mcm Cla	ssification i	$= \mathbb{Z}_{M}^{2} \times \mathbb{Z}_{M}^{2110}$	$X_{\rm BS} = \mathbb{Z}_4 \text{SI} = \overline{4}^{001} *$		$Cm^{1\overline{1}0}$	
\mathbb{Z}_4	weak	$\frac{132.4}{\{1 00\frac{1}{2}\}*}$	$\frac{156 P_c 4_2}{4^{001} *}$	$2^{100}*$	i	2^{110}	$\bar{4}^{001}*$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{1\bar{1}0}$	
$\frac{\mathbb{Z}_4}{0}$	weak (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \end{array} $	$\frac{456 P_c 4_2 / 4001_*}{0}$	2 ¹⁰⁰ *	<i>i</i> 0	2^{110} 0	$\frac{\bar{4}^{001}*}{0}$	$Cm_{(4)}^{001}$ $4\overline{4}00$	$4\overline{4}$	
\mathbb{Z}_4	weak	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \end{array} $	$\frac{156 P_c 4_2}{4^{001} *}$	$2^{100}*$	<i>i</i> 0 0	2^{110}	$\bar{4}^{001}*$	$ \begin{array}{c} Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \end{array} $		
$ \begin{array}{c c} \mathbb{Z}_4 \\ 0 \\ 0 \end{array} $	weak (000) (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \end{array} $	$ \begin{array}{r} 456 P_c 4_2 / \\ 4^{001} * \\ \hline 0 \\ 0 \end{array} $	2 ¹⁰⁰ * 0 0	<i>i</i> 0	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \end{array} $	$\frac{\bar{4}^{001}*}{0}$	$Cm_{(4)}^{001}$ $4\overline{4}00$	$\frac{4\overline{4}}{\overline{2}2}$	
$ \begin{array}{c c} \hline \mathbb{Z}_4 \\ \hline 0 \\ 0 \\ 0 \end{array} $	weak (000) (000) (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{r} $	2 ¹⁰⁰ * 0 0 0	i 0 0 0	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \end{array} $	4 ⁰⁰¹ * 0 0 0	$ \begin{array}{c} Cm_{(4)}^{001} \\ 4\overline{400} \\ 0000 \\ 0000 \end{array} $	$ \begin{array}{r} 4\overline{4} \\ \overline{2}2 \\ 2\overline{2} \end{array} $	
$ \begin{array}{c c} & \mathbb{Z}_4 \\ \hline & 0 \\ \hline & 0 \\ \hline & 0 \\ \hline & 0 \\ \hline & 3 \\ \end{array} $	weak (000) (000) (000) (000) (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} & & & & \\ & & & & \\ & & & & \\ & & & &$	$2^{100}*$ 0 0 0 1	i 0 0 0 0	2 ¹¹⁰ 0 0 0 0 0	\$\bar{4}^{001}*\$ 0 0 0 0 0	$ \begin{array}{c} Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 0000 \\ 1\overline{1}00 \end{array} $	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ 1\overline{1} \end{array} $	
$ \begin{array}{c c} \hline \mathbb{Z}_4 \\ \hline 0 \\ 0 \\ \hline 0 \\ 3 \\ \hline 2 \end{array} $	weak (000) (000) (000) (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} \hline $	2 ¹⁰⁰ * 0 0 1 0 1 /mcm Cla	i 0 0 0 1 0	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0		$\begin{array}{c} Cm^{001}_{(4)} \\ \hline 4\overline{4}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \end{array}$	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ \overline{11} \\ 2\overline{2} \end{array} $	
$ \begin{array}{c c} \hline \mathbb{Z}_4 \\ \hline 0 \\ 0 \\ \hline 0 \\ 3 \\ \hline 2 \end{array} $	weak (000) (000) (000) (000) (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 ¹⁰⁰ * 0 0 1 0 1	i 0 0 0 1 0	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $ $ = \mathbb{Z}_M^2 \Sigma$		$ \begin{array}{c} Cm_{(4)}^{001} \\ \hline 4\overline{400} \\ 0000 \\ 0000 \\ 1\overline{100} \\ 2\overline{2}00 \\ 3\overline{3}00 \\ = z'_{4P} \end{array} $	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $	$Cm_{(4)}^{001}$
$ \begin{array}{c c} \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ \hline 3 \\ 2 \\ 1 \end{array} $	weak (000) (000) (000) (000) (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} \hline $	2 ¹⁰⁰ * 0 0 1 0 1 /mcm Cla	i 0 0 0 1 0 1 assification	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0	\$\bar{4}^{001}*\$ 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm^{001}_{(4)} \\ \hline 4\overline{4}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \end{array}$	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ \overline{11} \\ 2\overline{2} \end{array} $	$\frac{Cm_{(4)}^{001}}{4\overline{400}}$
$egin{array}{c} & \mathbb{Z}_4 & \\ 0 & \\ 0 & \\ 0 & \\ \hline 3 & \\ 2 & \\ \hline 1 & \\ \mathbb{Z}_4 & \\ \end{array}$	weak (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \end{array} $	$ \begin{array}{c c} & & & & \\ & & & & \\ & & & & \\ & & & &$	$ \begin{array}{c} 2^{100} * \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \frac{1}{\sqrt{mcm}} Cls \\ 2^{110} $	$\begin{array}{c} i\\ 0\\ 0\\ 0\\ 1\\ 0\\ 1\\ \end{array}$	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline = \mathbb{Z}_{M}^{2} \\ 2^{010}_{00\frac{1}{2}} \end{array} $	$ \frac{\bar{4}^{001}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ X_{BS} = \mathbb{Z}_4 \text{ SI} = \frac{1}{4^{001}_{00\frac{1}{2}}} \text{ SI} = $	$\begin{array}{c} Cm_{(4)}^{001} \\ \hline Cm_{(4)}^{001} \\ \hline 4\overline{4}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline = z'_{4P} \\ g_{00\frac{1}{2}}^{100} \\ \hline \end{array}$	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ \overline{11} \\ 2\overline{2} \\ \overline{33} \\ \hline Cm^{110}_{(2)} \end{array} $	$ \begin{array}{c} Cm_{(4)}^{001} \\ \hline 4\overline{400} \\ 0000 \end{array} $
$ \begin{array}{c c} & \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \end{array} $	weak (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \end{array} $	$ \begin{array}{c c} & & & & \\ & & & & \\ & & & & \\ & & & &$	$ \begin{array}{c} 2^{100} * \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 0 \\ 2^{110} \\ 0 $	$ \begin{array}{c} i \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ \text{assification} \\ i \\ 0 \end{array} $	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ = \mathbb{Z}_{M}^{2} \\ 2^{010}_{00\frac{1}{2}} \\ 0 \end{array} $	$ \begin{array}{c} $	$\begin{array}{c} Cm_{(4)}^{001} \\ \hline Cm_{(4)}^{001} \\ \hline 4\overline{4}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline = z_{4P}' \\ \hline g_{00\frac{1}{2}}^{100} \\ \hline 0 \\ \end{array}$	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ \hline Cm^{110}_{(2)} \\ 4\overline{4} \end{array} $	$4\overline{4}00$
$ \begin{array}{c c} \hline \mathbb{Z}_4 \\ \hline 0 \\ 0 \\ \hline 0 \\ 3 \\ \hline 2 \\ \hline 1 \\ \hline \mathbb{Z}_4 \\ \hline 0 \\ 0 \end{array} $	weak (000) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} & 156 & P_c 4_2 / \\ \hline & 4^{001} * \\ \hline & 0 \\ & 0 \\ \hline & 1 \\ \hline & 57 & P_C 4_2 / \\ \hline & 4^{001}_{00\frac{1}{2}} \\ \hline & 0 \\ \hline & 0 \\ \end{array} $	$ \begin{array}{c} 2^{100} * \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7$	$\begin{array}{c} i \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ \hline assification \\ i \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $ $ = \mathbb{Z}_{M}^{2} \times 2^{010} \times 2^{010}$	$ \begin{array}{c} \bar{4}^{001} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $ $ X_{BS} = Z_4 SI = 4^{001}_{00\frac{1}{2}} \\ 0 \\ 0 $	$\begin{array}{c} Cm_{(4)}^{001} \\ \hline Cm_{(4)}^{001} \\ \hline 4\overline{4}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline = z'_{4P} \\ \hline g_{00\frac{1}{2}}^{100} \\ \hline 0 \\ \hline \end{array}$	$ \begin{array}{r} $	$\frac{4\overline{4}00}{0000}$
$ \begin{array}{c c} & \mathbb{Z}_4 \\ \hline 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \end{array} $	weak (000) (000) (000) (000) (000) (000) weak (000) (000) (000) (000) (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline & & & & \\ \hline & & & & \\ \hline & & & & \\ & & & & \\ & & & & \\ \hline & & & & \\ & & & & \\ \hline & & & & \\ \hline$	2 ¹⁰⁰ * 0 0 1 0 1 /mcm Cla 2 ¹¹⁰ 0 0	i 0 0 0 1 0 1 assification i 0 0	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 2^{010}_{000\frac{1}{2}} \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} \bar{4}^{001} * \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ X_{BS} = \underline{\mathbb{Z}_4} SI = \underline{4}^{001}_{00\frac{1}{2}} \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} Cm_{(4)}^{001} \\ \hline Cm_{(4)}^{001} \\ \hline 4\bar{4}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\bar{1}00 \\ \hline 2\bar{2}00 \\ \hline 3\bar{3}00 \\ \hline = z'_{4P} \\ \hline g_{00\frac{1}{2}}^{100} \\ \hline 0 \\ \hline 0 \\ \hline \end{array}$	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ \overline{11} \\ 2\overline{2} \\ \overline{33} \\ \hline Cm^{110}_{(2)} \\ 4\overline{4} \\ 2\overline{2} \\ \overline{22} \\ \overline{11} \\ \overline{22} \\ \end{array} $	$ \begin{array}{r} 4\overline{400} \\ 0000 \\ 0000 \\ 1\overline{100} \\ 2\overline{200} \end{array} $
$ \begin{array}{c c} & \mathbb{Z}_4 \\ \hline 0 \\ 0 \\ 0 \\ 3 \\ \hline 2 \\ 1 \\ \hline & \mathbb{Z}_4 \\ \hline 0 \\ 0 \\ 0 \\ 3 \\ \end{array} $	weak (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} \hline & 1 & 1 & 1 \\ & 1 & 1 & 1 \\ \hline & 1 & 1 & 1 $	$ \begin{array}{c} 2^{100} * \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 0 \\ 2^{110} \\ 0 \\ 0 \\ 0 \end{array} $	i 0 0 0 1 0 1 assification i 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 2^{010} \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} \bar{4}^{001} * \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ X_{BS} = \underline{\mathbb{Z}_4} SI = \underline{4}^{001} \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	$\begin{array}{c} Cm_{(4)}^{001} \\ \hline Cm_{(4)}^{001} \\ \hline 4\overline{4}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline = z'_{4P} \\ \hline g_{00\frac{1}{2}}^{100} \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline \end{array}$	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ \hline Cm^{110}_{(2)} \\ 4\overline{4} \\ 2\overline{2} \\ \overline{22} \\ 1\overline{1} $	$ \begin{array}{r} 4\overline{400} \\ 0000 \\ 0000 \\ 1\overline{100} \end{array} $
$ \begin{array}{c c} & \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline & \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ \end{array} $	weak (000) (000) (000) (000) (000) (000) weak (000) (000) (000) (000) (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 132.4 \\ 132.$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 ¹⁰⁰ * 0 0 1 0 1 0 1 /mcm Cla 2 ¹¹⁰ 0 0 0 0 0 0 0 Cmcm Cla	i 0 0 0 1 0 1 0 1 assification i 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $ $ = \mathbb{Z}_{M}^{2} \Sigma \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $		$ \begin{array}{c} Cm_{(4)}^{001} \\ \hline Cm_{(4)}^{001} \\ \hline 4400 \\ 0000 \\ 0000 \\ \hline 1100 \\ 2\overline{2}00 \\ 3\overline{3}00 \\ = z'_{4P} \\ g_{00\frac{1}{2}}^{100} \\ 0 \\ 0 \\ 1 \\ = z'_{4P} $	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ \overline{11} \\ 2\overline{2} \\ \overline{33} \\ \hline Cm^{110}_{(2)} \\ \overline{44} \\ \overline{22} \\ \overline{22} \\ \overline{11} \\ \overline{22} \\ \overline{33} \\ \hline 3\overline{3} $	$ \begin{array}{r} 4\overline{400} \\ 0000 \\ 0000 \\ 1\overline{100} \\ 2\overline{200} \end{array} $
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$ \begin{array}{c c} \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \end{array} $ $ \begin{array}{c c} \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \end{array} $	weak (000) (000) (000) (000) (000) (000) weak (000) (000) (000) (000) (000) (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $ $ \begin{array}{c} 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 11\frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \end{array} $	$ \begin{array}{c c} \hline & & & & \\ & & & & \\ \hline & & & & \\ & & & & \\ & & & & \\ & & & &$	$\begin{array}{c} 2^{100}* \\ \hline 0 \\ 0 \\ \hline 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline \\ /mcm \text{ Cla} \\ 2^{110} \\ \hline \\ 0 \\ 0 \\ \hline \\ 2^{100} \\ \hline \\ 0 \\ 0$	i 0 0 0 1 0 1 assification i 0 0 1 0 1 assification i	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $ $ = \mathbb{Z}_{M}^{2} \times 2^{010} \times 2^{010}$	$\begin{array}{c} \bar{4}^{001}*\\ \hline 0\\ 0\\ 0\\ 0\\ \hline 0\\ X_{BS} = \mathbb{Z}_4 SI = \\ \hline 4^{001}_{00\frac{1}{2}}\\ \hline 0\\ 0\\ 0\\ \hline 1\\ \hline 0\\ X_{BS} = \mathbb{Z}_4 SI = \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0}*\\ \end{array}$	$\begin{array}{c} Cm_{(4)}^{001} \\ \hline Cm_{(4)}^{001} \\ \hline 4400 \\ \hline 0000 \\ \hline 0000 \\ \hline 1100 \\ \hline 2200 \\ \hline 3300 \\ \hline = z_{4P}' \\ \hline g_{00\frac{1}{2}}^{100} \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline = z_{4P}' \\ \hline Cm_{(4)}^{001} \\ \end{array}$	$ \begin{array}{r} $	$ \begin{array}{r} 4\overline{400} \\ 0000 \\ 0000 \\ 1\overline{100} \\ 2\overline{200} \end{array} $
$ \begin{array}{c c} \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \end{array} $ $ \begin{array}{c c} \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \end{array} $ $ \begin{array}{c c} \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \end{array} $	weak (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \end{array} $	$ \begin{array}{c c} \hline & 1 & 1 & 1 \\ \hline & 1 & 1 & 1 \\ \hline & 0 & 0 & 1 & 1 \\ \hline & 0 & 0 & 0 & 0 \\ \hline & 0 & 0 & 0 & 0 \\ \hline & 0 & 0 & 0 & 1 \\ \hline & 0 & 0 & 0 & 0 \\ \hline & 0 & 0 & 0$	$\begin{array}{c} 2^{100}* \\ \hline 0 \\ 0 \\ \hline 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline \end{array}$	i 0 0 0 1 0 1 assification i 0 0 1 0 1 assification i 0	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{c} \bar{4}^{001}*\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ \hline 0\\ X_{\rm BS} = \mathbb{Z}_4 {\rm SI} = \\ \hline 4^{001}_{00\frac{1}{2}}\\ \hline 0\\ 0\\ 0\\ \hline 1\\ \hline 0\\ X_{\rm BS} = \mathbb{Z}_4 {\rm SI} = \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0}*\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	$\begin{array}{c} Cm_{(4)}^{001} \\ \hline Cm_{(4)}^{001} \\ \hline 4400 \\ \hline 0000 \\ \hline 0000 \\ \hline 1100 \\ \hline 2200 \\ \hline 3300 \\ \hline = z_{4P}' \\ \hline g_{0012}^{100} \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline = z_{4P}' \\ \hline Cm_{(4)}^{001} \\ \hline 4400 \\ \hline 0000 \\ \hline 0000 \\ \hline \end{array}$	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $ $ \begin{array}{r} Cm_{(2)}^{110} \\ 4\overline{4} \\ 2\overline{2} \\ \overline{22} \\ 3\overline{3} \end{array} $ $ \begin{array}{r} \overline{Cm_{(2)}^{110}} \\ 4\overline{4} \\ \overline{22} \\ 2\overline{2} $	$ \begin{array}{r} 4\overline{400} \\ 0000 \\ 0000 \\ 1\overline{100} \\ 2\overline{200} \end{array} $
$ \begin{array}{c c} & \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline & 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline & \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3 \\ 3 \\ 2 \\ 1 \\ \hline & 0 \\ 0 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3$	weak (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $	$ \begin{array}{c c} \hline & 1 & 1 & 1 \\ \hline & 1 & 0 & 0 \\ \hline & 0 & 0 & 0 \\ \hline & 1 & 0 & 0 \\ \hline & 0 & 0 & 0 \\ \hline & 0 & 0 & 0 \\ \hline & 0 & 0 & 0 \\ \hline & 1 & 0 & 0 \\ \hline & 0 & 0 & 0 \\ \hline & 1 & 0 & 0 \\ \hline & 1 & 0 & 0 \\ \hline & 0 & 0 & 0 \\ \hline & 1 & 0 & 0 \\ \hline & 0 & 0 & 0 \\ \hline & 1 & 0 & 0 \\ \hline & 0 & 0 & 0 \\ \hline & 0 & 0 & 0 \\ \hline & 1 & 0 & 0 \\ \hline & 0 & 0 & $	$\begin{array}{c} 2^{100}* \\ \hline 0 \\ 0 \\ \hline 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline 0 \\ 0 \\$	i 0 0 0 1 0 1 assification i 0 0 1 assification i 0 0 1 assification i 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} \bar{4}^{001}*\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ \hline 0\\ X_{BS} = \mathbb{Z}_{4} SI = \\ \hline 4^{001}_{00\frac{1}{2}}\\ \hline 0\\ 0\\ \hline 0\\ 1\\ \hline 0\\ 1\\ \hline X_{BS} = \mathbb{Z}_{4} SI = \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0}*\\ \hline 0\\ 0\\ 0\\ \end{array}$	$\begin{array}{c} Cm_{(4)}^{001} \\ \hline Cm_{(4)}^{001} \\ \hline 4\bar{4}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\bar{1}00 \\ \hline 2\bar{2}00 \\ \hline 3\bar{3}00 \\ \hline = z_{4P}' \\ \hline g_{00\frac{1}{2}}^{100} \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline = z_{4P}' \\ \hline Cm_{(4)}^{001} \\ \hline 4\bar{4}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\bar{1}00 \\ \hline \end{array}$	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ \overline{11} \\ 2\overline{2} \\ 3\overline{3} \\ \hline Cm^{110}_{(2)} \\ 4\overline{4} \\ 2\overline{2} \\ \overline{22} \\ 3\overline{3} \\ \hline Cm^{110}_{(2)} \\ 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ 2\overline{2} \\ 1\overline{1} \\ \overline{22} \\ 1\overline{1} \\ 2\overline{2} \\ 1\overline{1} \\ 2\overline{2} \\ 1\overline{1} \\ 1\overline{2} \\ 1\overline{2} \\ 1\overline{1} \\ $	$ \begin{array}{r} 4\overline{400} \\ 0000 \\ 0000 \\ 1\overline{100} \\ 2\overline{200} \end{array} $
$ \begin{array}{c c} & \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline & \mathbb{Z}_4 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline & \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \end{array} $	weak (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c c} \hline & 1 & 1 & 1 \\ \hline & 1 & 1 & 1 \\ \hline & 0 & 1 & 1 \\ \hline & 0 & 1 & 1 \\ \hline & 0 & 1 & 1 \\ \hline & 57 & P_C 4_2 / \\ \hline & 4_{001\frac{1}{2}}^{001} & 0 \\ \hline & 0 & 0 & 0 \\ \hline & 0 & 0 & 1 \\ \hline & 4_{\frac{1}{2}\frac{1}{2}0}^{001} * & 0 \\ \hline & 0 & 0 & 0 \\ \hline & $	$\begin{array}{c} 2^{100}*\\ \hline 0\\ 0\\ \hline 0\\ 1\\ \hline 0\\ 1\\ \hline \end{array}$	i 0 0 0 1 0 1 assification i 0 0 1 assification i 0 0 1 assification i 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{c} \bar{4}^{001}*\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ \hline 0\\ X_{BS} = \mathbb{Z}_4 SI = \\ \hline 4^{001}_{00\frac{1}{2}}\\ \hline 0\\ 0\\ 0\\ \hline 1\\ \hline 0\\ X_{BS} = \mathbb{Z}_4 SI = \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0}*\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ \end{array}$	$\begin{array}{c} Cm_{(4)}^{001} \\ \hline Cm_{(4)}^{001} \\ \hline 4\overline{4}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline = z_{4P}' \\ \hline g_{00\frac{1}{2}}^{100} \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline = z_{4P}' \\ \hline Cm_{(4)}^{001} \\ \hline 4\overline{4}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline \end{array}$	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ \overline{11} \\ 2\overline{2} \\ 3\overline{3} \\ \hline Cm^{110}_{(2)} \\ 4\overline{4} \\ 2\overline{2} \\ \overline{22} \\ \overline{33} \\ \hline Cm^{110}_{(2)} \\ 4\overline{4} \\ \overline{22} \\ \overline{22} \\ \overline{11} \\ \overline{22} \\ \overline{22} \\ \overline{11} \\ \overline{22} \\ \overline{22} \\ \overline{22} \\ \overline{11} \\ \overline{22} \\ \overline{23} \\ \overline{23} \\ \overline{24} \\ \overline{24} \\ \overline{25} \\ $	$ \begin{array}{r} 4\overline{400} \\ 0000 \\ 0000 \\ 1\overline{100} \\ 2\overline{200} \end{array} $
$ \begin{array}{c c} & \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline & 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline & \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3 \\ 3 \\ 2 \\ 1 \\ \hline & 0 \\ 0 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3$	weak (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 0 \\ 1 \\ 1 \end{array} $	$ \begin{array}{c c} & 1 & 1 & 1 \\ & 1 & 1 & 1 \\ & 0 & 1 & 1 \\ & 0 & 1 & 1 \\ & 0 & 1 & 1 \\ & 0 & 1 & 1 \\ & 0 & 1 & 1 \\ & 0 & 1 & 1 \\ & 0 & 0 & 1 \\ & 0 & 0 & 0 \\ & 0 & 0 & 0 \\ & 0 & 0 & 1 & 0 \\ & 0 & 0 & 1 & 0 \\ & 0 & 1 & 0 & 1 \end{array} $	$\begin{array}{c} 2^{100}* \\ \hline 0 \\ 0 \\ \hline 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline \\ 0 \\ \hline 1 \\ \hline \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\$	i 0 0 0 1 0 1 0 1 assification i 0 0 1 assification i 0 0 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{c} \overline{4^{001}}*\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ \hline 0\\ \hline \\ X_{BS} = \mathbb{Z}_4 SI = \\ \hline 4^{001}_{00\frac{1}{2}} \\ \hline 0\\ 0\\ \hline \\ 1\\ \hline \\ X_{BS} = \mathbb{Z}_4 SI = \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0}*\\ \hline \\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ \end{array}$	$\begin{array}{c} Cm_{(4)}^{001}\\ \hline Cm_{(4)}^{001}\\ \hline 4\bar{4}00\\ \hline 0000\\ \hline 0000\\ \hline 1\bar{1}00\\ \hline 2\bar{2}00\\ \hline 3\bar{3}00\\ \hline =z_{4P}'\\ \hline g_{00\frac{1}{2}}^{100}\\ \hline 0\\ \hline 0\\ \hline 1\\ \hline cm_{(4)}^{001}\\ \hline 4\bar{4}00\\ \hline 0000\\ \hline 0000\\ \hline 1\bar{1}00\\ \hline 2\bar{2}00\\ \hline 3\bar{3}00\\ \hline \end{array}$	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ \overline{11} \\ 2\overline{2} \\ 3\overline{3} \\ \hline Cm^{110}_{(2)} \\ 4\overline{4} \\ 2\overline{2} \\ \overline{22} \\ 3\overline{3} \\ \hline Cm^{110}_{(2)} \\ 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ 2\overline{2} \\ 1\overline{1} \\ \overline{22} \\ 1\overline{1} \\ 2\overline{2} \\ 1\overline{1} \\ 2\overline{2} \\ 1\overline{1} \\ 1\overline{2} \\ 1\overline{2} \\ 1\overline{1} \\ $	$ \begin{array}{r} 4\overline{400} \\ 0000 \\ 0000 \\ 1\overline{100} \\ 2\overline{200} \end{array} $
$ \begin{array}{c c} & \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline & \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline & \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline & \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	weak (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 2^{100}* \\ \hline 0 \\ 0 \\ \hline 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline \\ 0 \\ \hline 1 \\ \hline \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\$	i	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \frac{\bar{4}^{001}*}{0} $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 1 $ $ 0 $ $ 1 $ $ 0 $ $ 1 $ $ \frac{X_{BS} = \mathbb{Z}_4 SI = \frac{1}{4^{001}} = \frac{1}{2^{10}} = 1$	$\begin{array}{c} Cm_{(4)}^{001}\\ \hline Cm_{(4)}^{001}\\ \hline 4\bar{4}00\\ \hline 0000\\ \hline 0000\\ \hline 1\bar{1}00\\ \hline 2\bar{2}00\\ \hline 3\bar{3}00\\ \hline =z_{4P}'\\ \hline g_{00\frac{1}{2}}^{100}\\ \hline 0\\ \hline 0\\ \hline 1\\ \hline cm_{(4)}^{001}\\ \hline 4\bar{4}00\\ \hline 0000\\ \hline 0000\\ \hline 1\bar{1}00\\ \hline 2\bar{2}00\\ \hline 3\bar{3}00\\ \hline \end{array}$	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ \overline{11} \\ 2\overline{2} \\ 3\overline{3} \\ \hline Cm^{110}_{(2)} \\ 4\overline{4} \\ 2\overline{2} \\ \overline{22} \\ \overline{33} \\ \hline Cm^{110}_{(2)} \\ 4\overline{4} \\ \overline{22} \\ \overline{22} \\ \overline{11} \\ \overline{22} \\ \overline{22} \\ \overline{11} \\ \overline{22} \\ \overline{22} \\ \overline{22} \\ \overline{11} \\ \overline{22} \\ \overline{23} \\ \overline{23} \\ \overline{24} \\ \overline{24} \\ \overline{25} \\ $	$ \begin{array}{r} 4\overline{400} \\ 0000 \\ 0000 \\ 1\overline{100} \\ 2\overline{200} \end{array} $
$ \begin{array}{c c} & \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline & \mathbb{Z}_4 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline & \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 2 \end{array} $	weak (000)	$ \begin{array}{c} 132.4 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 132.4 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 0 \\ 1 \\ 1 \end{array} $	$ \begin{array}{c c} & 1 & 1 & 1 \\ & 1 & 1 & 1 \\ & 0 & 1 & 1 \\ & 0 & 1 & 1 \\ & 0 & 1 & 1 \\ & 0 & 1 & 1 \\ & 0 & 1 & 1 \\ & 0 & 1 & 1 \\ & 0 & 0 & 1 \\ & 0 & 0 & 0 \\ & 0 & 0 & 0 \\ & 0 & 0 & 1 & 0 \\ & 0 & 0 & 1 & 0 \\ & 0 & 1 & 0 & 1 \end{array} $	$\begin{array}{c} 2^{100}* \\ \hline 0 \\ 0 \\ \hline 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline \\ 0 \\ \hline 1 \\ \hline \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\$	i 0 0 0 1 0 1 0 1 0 1 assification i 0 0 1 0 1 ssification i 0 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{c} \overline{4^{001}}*\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ \hline 0\\ \hline \\ X_{BS} = \mathbb{Z}_4 SI = \\ \hline 4^{001}_{00\frac{1}{2}} \\ \hline 0\\ 0\\ \hline \\ 1\\ \hline \\ X_{BS} = \mathbb{Z}_4 SI = \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0}*\\ \hline \\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ \end{array}$	$\begin{array}{c} Cm_{(4)}^{001}\\ \hline Cm_{(4)}^{001}\\ \hline 4\bar{4}00\\ \hline 0000\\ \hline 0000\\ \hline 1\bar{1}00\\ \hline 2\bar{2}00\\ \hline 3\bar{3}00\\ \hline =z_{4P}'\\ \hline g_{00\frac{1}{2}}^{100}\\ \hline 0\\ \hline 0\\ \hline 1\\ \hline cm_{(4)}^{001}\\ \hline 4\bar{4}00\\ \hline 0000\\ \hline 0000\\ \hline 1\bar{1}00\\ \hline 2\bar{2}00\\ \hline 3\bar{3}00\\ \hline \end{array}$	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ \overline{11} \\ 2\overline{2} \\ 3\overline{3} \\ \hline Cm^{110}_{(2)} \\ 4\overline{4} \\ 2\overline{2} \\ \overline{22} \\ \overline{33} \\ \hline Cm^{110}_{(2)} \\ 4\overline{4} \\ \overline{22} \\ \overline{22} \\ \overline{11} \\ \overline{22} \\ \overline{22} \\ \overline{11} \\ \overline{22} \\ \overline{22} \\ \overline{22} \\ \overline{11} \\ \overline{22} \\ \overline{23} \\ \overline{23} \\ \overline{24} \\ \overline{24} \\ \overline{25} \\ $	$ \begin{array}{r} 4\overline{400} \\ 0000 \\ 0000 \\ 1\overline{100} \\ 2\overline{200} \end{array} $

0	(000)	0	0	0	0	0	0		
1	(000)	0	0	1	0	1	1		
		133	$.462 P4'_{2}$	/nb'c Clas	ssification	$=\mathbb{Z}_2$ X_{BS}	$S = \mathbb{Z}_2$ SI =	$=z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}0^{\frac{1}{2}}}*$	$2^{100}_{0\frac{1}{2}0}*$	i	$2^{110}_{00\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$g^{1\bar{1}0}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	21	
0	(000)	$\frac{\overline{2}0\overline{2}}{0}$	$0^{\frac{1}{2}0}$	0	$00_{\overline{2}}$	$\frac{\bar{2}^{0}\bar{2}}{0}$	0		
1	(000)	1	1	1	0	0	1		
	(000)			/nbc' Clas			$S = \mathbb{Z}_2$ SI =	- ~'	
77	rroolr			,			$S = \mathbb{Z}_2$ $S1 = \frac{110}{110}$	$=z_{2P}$	
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}0}$	i	$2^{110}_{00\frac{1}{2}}*$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$		
0	(000)	0	0	0	0	0	0		
1	(000)	1	0	1	1	0	0		
			$464 P4'_{2}$	n'b'c Clas			$=\mathbb{Z}_2$ SI =	$=z_{2,S_4}$	
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}0}$	i*	$2^{110}_{00\frac{1}{2}}*$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$g^{110}_{rac{1}{2}rac{1}{2}rac{1}{2}}$		
0	(000)	0	0	0	0	0	0		
1	(000)	1	0	0	1	1	1		
		133.465 <i>F</i>	$P4_2/nb'c'$	Classificat	$ion = \mathbb{Z} \times$	\mathbb{Z}_2 $X_{BS} =$	$=\mathbb{Z}_{2,2}$ SI $=$	$z_{2,S_4}, z_{4C}/2$	
$\overline{\mathbb{Z}_{2,2}}$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{100}_{0\frac{1}{2}0}*$	i	$2^{110}_{00\frac{1}{2}}*$	$\frac{1}{4^{001}_{\frac{1}{2}0^{\frac{1}{2}}}}$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$	2,047 107	
00	(000)	$\frac{1}{2}0\frac{1}{2}$	0 2 0	0	00 ½	$\frac{1}{2}0\frac{1}{2}$	$\frac{0}{2} \frac{1}{2} \frac{1}{2}$		
00	(004)	2	0	0	0	0	2		
01	(004)	1	1	1	0	0	1		
10	(002)	0	1	1	1	1	0		
11	(002)	1	0	0	1	1	1		
	()	133.4	166 PA'	n'bc' Clas	ssification =	- 7. Ypg	$=\mathbb{Z}_2$ SI =	- %	
$\overline{\mathbb{Z}_2}$	weak		$\frac{2^{100}}{2^{100}_{0\frac{1}{2}0}}*$	i*	$\frac{2^{110}_{00\frac{1}{2}}}{2^{110}_{00\frac{1}{2}}}$	$\frac{-22}{4^{001}_{\frac{1}{2}0^{\frac{1}{2}}}}$		$- 22,S_4$	
		$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$					$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$		
0	(000)	0	0	0	0	0	0		
1	(000)	1	1	0	0	1	0		
				$_2/nbc$ Clas	ssification :		$S = \mathbb{Z}_2$ SI =		
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{0\frac{1}{2}0}$	i	$2^{110}_{000}*$	$\bar{4}^{001}_{\frac{1}{2}00}*$	$g_{\frac{1}{2}\frac{1}{2}0}^{1\overline{1}0}*$	
0	(000)	0	0	0	0	0	0	0	·
1	(000)	1	1	0	1	1	0	0	
		133.	$A69 P_{C}4$	-2/nbc Cla	ssification	$=\mathbb{Z}_2$ X_{BS}	$S = \mathbb{Z}_2$ SI =	$=z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4_{0\frac{1}{2}\frac{1}{2}}^{001} *$	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{\frac{1}{2}00}$	$\frac{1}{4^{001}}$	$g_{\frac{1}{2}00}^{100}*$	
0	(000)	0	$\frac{0\overline{2}\overline{2}}{0}$	$\frac{\overline{2}\ \overline{2}\ \overline{2}}{0}$	0	$\frac{\frac{1}{2}00}{0}$	$\frac{\overline{2}0\overline{2}}{0}$	$\frac{1-\frac{1}{2}00}{0}$	
1	(000)	1	1	1	0	0	1	0	
	1 (/						$S = \mathbb{Z}_2$ SI =		
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{4001}{4_{0\frac{1}{2}0}^{001}}*$	$\frac{2/nc}{2_{0\frac{1}{2}0}^{100}}$		$\frac{-22}{2^{110}} *$	$\frac{3 - 22 \cdot 51 - 4001}{4^{001}_{\frac{1}{2}0^{\frac{1}{2}}}}$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}}{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}}$	
	(000)			$\frac{^{2}0\frac{1}{2}0}{0}$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$		$\frac{4\frac{1}{2}0\frac{1}{2}}{0}$		
0	(000)	0	0	0	0	0	1	0	
1	(000)		1 471 D4			777			
	1			/nnm Clas	$\frac{\text{ssification}}{2^{110}}$	$= \mathbb{Z}_M X_{\mathrm{B}}$	$S_{\rm S} = \mathbb{Z}_2 SI$	$=z_{2P}$	
\mathbb{Z}_2	weak	$4^{001}_{rac{1}{2}0rac{1}{2}}$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$	i		$\bar{4}^{001}_{rac{1}{2}0rac{1}{2}}$	$Cm_{\underline{(2)}}^{110}$		
0	(000)	0	0	0	0	0	$2\overline{2}$		
0	(000)	0	0	0	0	0	$2\overline{2}$		
1	(000)	0	0	1	0	1	$1\overline{1}$		
	_		$174 P4_{2}^{\prime}$	nn'm Cla	ssification	$=\mathbb{Z}_{M}$ $X_{\mathbb{R}}$	$_{\mathrm{BS}} = \mathbb{Z}_2$ SI	$=z_{2P}'$	
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	i	2^{110}	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$Cm_{(2)}^{110}$		
0	(000)	0	0	0	0	0	$2\overline{2}$		
0	(000)	0	0	0	0	0	$2\overline{2}$		
1	(000)	1	1	1	0	0	$1\overline{1}$		
		134.	$475 P4'_{2}$	/nnm' Cla	assification	$=\mathbb{Z}_2$ X_B	$S = \mathbb{Z}_2$ SI	$=z'_{2P}$	
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2_{0\frac{1}{2}\frac{1}{2}}^{100}$	i	$2^{110}*$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$		
0	(000)	$\frac{\bar{2}^{0}\bar{2}}{0}$	$0^{\frac{0}{2}\frac{\pi}{2}}$	0	0	$\frac{1}{2}0\frac{1}{2}$	$0 = \frac{5}{2} = 0$		
	l (/	-	-	-	-	-	-		

1	(000)	1	0	1	1	0	0			
	,	134.47	$76 P4_{2}^{\prime}/n$	n'm Clas	ssification =	$= \mathbb{Z}_M X_{\mathrm{B}}$	$_{ m S}=\mathbb{Z}_2$ SI =	= 22 g.		
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$\frac{2^{100}_{0\frac{1}{2}\frac{1}{2}}}{2^{100}_{0\frac{1}{2}\frac{1}{2}}}$	i*	2 ¹¹⁰ *	$\frac{-M}{4001}$	$\frac{Cm_{(0)}^{110}}{Cm_{(0)}^{110}}$	2,54		
0	(000)	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	$0\frac{1}{2}\frac{1}{2}$	0	0	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	$\frac{\overline{22}}{2}$			
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$			
1	(000)	1	0	0	1	1	$\frac{22}{11}$			
	(000)							/0		
	1		$\frac{4_2/nn'm'}{2100}$		$\frac{\text{tion} = \mathbb{Z} \times \mathbb{Z}}{2^{110} *}$		$= \mathbb{Z}_{2,2} \text{SI} =$	$z_{2,S_4}, z_{4C/2}$		
$\mathbb{Z}_{2,2}$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	i		$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$			
00	(000)	0	0	0	0	0	0			
00	(004)	2	0	0	0	0	0			
01	(002)	1	0	1	1	0	0			
10	(000)	0	1	1	1	1	0			
11	(002)	1	1	0	0	1	0			
				n'nm' Cla		$=\mathbb{Z}_2$ X_{BS}	$S = \mathbb{Z}_2$ $SI =$	z_{2,S_4}		
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	i*	2^{110}	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$g_{\frac{1}{2}\frac{1}{2}0}^{1\bar{1}0}*$			
0	(000)	0	0	0	0	0	0			
1	(000)	1	1	0	0	1	0			
		134.4	$80 P_c 4_2 /$	nnm Cla	ssification	$=\mathbb{Z}_M$ X_B	$S = \mathbb{Z}_2$ SI =	$=z'_{2P}$		
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{0\frac{1}{2}0}*$	i	2^{110}_{000}	$\bar{4}^{001}_{\frac{1}{2}00}*$	$Cm_{(2)}^{110}$		
0	(000)	0	0	0	0	0	0	$\frac{\overline{22}}{2}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}$		
1	(000)	1	1	1	1	0	0	$1\overline{1}$		
		134.4	$81 P_C 4_2$	/nnm Cla	ssification	$=\mathbb{Z}_{M}$ X_{F}	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ SI :	$=z'_{2P}$		
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{4^{001}_{0\frac{1}{2}\frac{1}{2}}}{4^{001}_{0\frac{1}{2}\frac{1}{2}}}$	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$\frac{2^{010}_{\frac{1}{2}0\frac{1}{2}}$	$\frac{4001}{4_{\frac{1}{2}0\frac{1}{2}}}$	$g_{\frac{1}{2}0\frac{1}{2}}^{100}*$	$Cm_{(2)}^{110}$	
0	(000)	0	0 2 2	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	
0	(000)	0	0	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	
1	(000)	1	1	1	0	0	1	0	<u> </u>	
	(000)	134.4	82 Pr/10	/nnm Cla	esification	— Z., X.	$_{ m SS}=\mathbb{Z}_2$ SI =	$=z'_{2P}$		
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{4^{001}}{4^{01}_{0\frac{1}{2}0}}*$	$\frac{2^{100}_{0\frac{1}{2}\frac{1}{2}}}{2^{100}_{0\frac{1}{2}\frac{1}{2}}}$		$\frac{-2M}{2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}*$	$\frac{3S - 22}{4^{001}}$	$\frac{-z_{2P}}{Cm_{(2)}^{1\bar{1}0}}$		
					$\frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*}{0}$			$\frac{2\overline{2}}{2\overline{2}}$		
0	(000)	0	0	0	0	0	0	$\frac{22}{2\overline{2}}$		
1	(000)	1	1	0	0	1	1	$\frac{22}{1\overline{1}}$		
1	(000)									
	1	135.4	$\frac{.83 P4_2/3}{$	$\frac{mbc}{\cdot}$ Class	$\frac{\text{affication} =}{2110}$	\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_4$ SI $=$	$z_{4m,0}$		
\mathbb{Z}_4	weak	$4_{00\frac{1}{2}}^{001}$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{00\frac{1}{2}}$	$g_{rac{1}{2}rac{1}{2}rac{1}{2}}^{110}$	$Cm_{(4)}^{001}$		
0	(000)	0	0	0	0	0	0	$4\overline{4}00$		
0	(000)	0	0	0	0	0	0	0000		
1	(000)	0	0	1	0	1	1	$1\overline{1}00$		
2	(000)	0	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$		
3	(000)	0	0	1	0	1	1	3300		
			$\frac{186 P4_2}{100}$			$= \mathbb{Z}_M X_{BS}$	$S = \mathbb{Z}_2$ SI =	$= z'_{2P}$		
\mathbb{Z}_2	weak	$4^{001}_{00\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{00\frac{1}{2}}*$	$g_{rac{1}{2}rac{1}{2}rac{1}{2}}^{110}$	$Cm_{(2)}^{001}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	1	1	0	0	1	$1\overline{1}00$		
		135.487		bc' Classif	ication = Z		$= \mathbb{Z}_4 \mathrm{SI} = z$			
\mathbb{Z}_4	weak	$4^{001}_{00\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}_{00\frac{1}{2}}^{001}*$	$g^{1\bar{1}0}_{rac{1}{2}rac{1}{2}rac{1}{2}}*$	$Cm_{(2)}^{001}$		
0	(000)	0	0	0	$0^{\frac{2}{2}\frac{2}{2}}$	0	0	$\frac{4400}{}$		
0	(000)	0	0	0	0	0	0	0000		
3	(000)	1	0	1	1	0	0	1100		
2	(000)	0	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	0	1	1	0	0	$3\overline{3}00$		

		135	488 P4'	$\frac{m'b'c}{m'b'c}$ Cla	ssification :	$=\mathbb{Z}_2$ X_{BS}	= Z ₀ SI =	= %		
\mathbb{Z}_2	weak	$4^{001}_{00\frac{1}{2}}*$	$\frac{2^{100}_{\frac{1}{2}\frac{1}{2}0}}{2^{100}_{\frac{1}{2}\frac{1}{2}0}}$	<i>i</i> *		7001	$\frac{-22}{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}}$	$- z_{2,S_4}$		
					$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$^{4}00\frac{1}{2}$				
	(000)	0	0	0	0	0	0			
1	(000)	1	0	0	1	1	1			
			$P4_2/mb'c'$	Classificati	$ion = \mathbb{Z}_M >$	$\times \mathbb{Z} X_{BS} =$	$\mathbb{Z}_{2,4}$ SI =	$=z_{2m,\pi}^+,z_{4m,0}^+$		
$\mathbb{Z}_{2,4}$	weak	$4_{00\frac{1}{2}}^{001}$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}_{00\frac{1}{2}}$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$	$Cm_{(4)}^{001}$		
00	$(00\overline{4})$	$\frac{\overline{2}}{2}$	0	0	0	0	$\frac{222}{2}$	0422		
00	(000)	0	0	0	0	0	0	$4\overline{4}00$		
00	(000)	0	0	0	0	0	0	0000		
01	(000)	0	1	1	1	1	0	$1\overline{1}00$		
02	(000)	0	0	0	0	0	0	$2\overline{2}00$		
03	(000)	0	1	1	1	1	0	$3\overline{3}00$		
10	$(00\overline{2})$	$\overline{1}$	1	1	0	0	$\overline{1}$	0211		
11	$(00\overline{2})$	$\overline{1}$	0	0	1	1	$\overline{1}$	1111		
12	$(00\overline{2})$	$\overline{1}$	1	1	0	0	$\overline{1}$	2011		
13	$(00\overline{2})$	1	0	0	1	1	<u>1</u>	3111		
		135.	490 P4'	m'bc' Clas	ssification =	$= \mathbb{Z}_0 \mathbf{X}_{\mathrm{DG}}$	$=\mathbb{Z}_2$ SI =	= 70 G		
\mathbb{Z}_2	weak	$\frac{4^{001}_{00\frac{1}{2}}*}{4^{001}_{00\frac{1}{2}}}$	$\frac{2^{100}_{\frac{1}{2}\frac{1}{2}0}}{2^{100}_{\frac{1}{2}\frac{1}{2}0}} *$	<i>i</i> *		$\frac{-22}{4^{001}_{00\frac{1}{2}}}$	$\frac{-22}{g_{11}^{110}}*$	$ \sim$ 2, S_4		
					$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$		2 2 2			
0	(000)	0	0	0	0	0	0			
1	(000)	1	1	0	0	1	0			
		135.4	$492 P_c 4_{2}$	mbc Class	sification =	\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_4$ SI =	$=z_{4m,0}^{+}$		
\mathbb{Z}_4	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}*$	$g_{\frac{1}{2}\frac{1}{2}0}^{1\overline{1}0}*$	$Cm_{(4)}^{001}$	
0	(000)	0	0	0	0	0	0	0	$4\overline{400}$	
0	(000)	0	0	0	0	0	0	0	0000	
1	(000)	1	1	0	1	1	0	0	$1\overline{1}00$	
2	(000)	0	0	0	0	0	0	0	$2\overline{2}00$	
3	(000)	1	1	0	1	1	0	0	$3\bar{3}00$	
		135.4	$P_{GA_{2}}$	/mbc Clas	sification -	- 7.11 Xpg	$=\mathbb{Z}_4$ SI =			
\mathbb{Z}_4	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{2^{010}*}{2^{010}}$	$\frac{-224}{4001}*$	$\frac{-24m,0}{m_{100}*}$	$Cm_{(4)}^{001}$	
0	(000)	0	0	0	0	0	0	0	4400	
0	(000)	0	0	0	0	0	0	0	0000	
1	(000)	1	1						1100	
2	/		0	0		1		0	$\frac{1\overline{1}00}{2\overline{2}00}$	
3		0	0	0	0	0	0	0	$2\overline{2}00$	
	(000)	1	1	0	0	0	0	0		
		1 135.4	$\frac{1}{494 P_I 4_{2,I}}$	0 0 /mbc Class	0	$ \begin{array}{c c} 0 \\ \hline 1 \\ \hline \mathbb{Z}_M & X_{BS} \end{array} $	$0 \\ 0 \\ = \mathbb{Z}_4 \text{SI} =$	$0 \\ 0 \\ = z_{4m,0}^{+}$	$\frac{2\overline{2}00}{3\overline{3}00}$	
\mathbb{Z}_4	(000) weak	1	$\frac{1}{494 P_I 4_{2,I}}$	0 0 /mbc Class	0	$ \begin{array}{c c} 0 \\ \hline 1 \\ \hline \mathbb{Z}_M & X_{BS} \end{array} $	$0 \\ 0 \\ = \mathbb{Z}_4 \text{SI} =$	$0 \\ 0 \\ = z_{4m,0}^+$	$2\overline{2}00$	
\mathbb{Z}_4		1 135.4	1	0	$ \begin{array}{r} 0\\ 1\\ \text{sification} = \end{array} $	0	0	0	$\frac{2\overline{2}00}{3\overline{3}00}$	
	weak	$\frac{1}{135.4}$ $\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$ \frac{1}{494 P_{I} 4_{2}} \frac{1}{4_{\frac{1}{2}\frac{1}{2}0} *} $	$ \begin{array}{c} 0 \\ 0 \\ \hline /mbc \text{Class} \\ 2^{100}_{00\frac{1}{2}} * \end{array} $	$ \begin{array}{r} 0 \\ 1 \\ \hline sification = \\ i \end{array} $	$\begin{array}{c c} 0\\ \hline 1\\ \hline \mathbb{Z}_{M} & X_{BS}\\ \hline 2_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110} \end{array}$	$ \begin{array}{c} 0 \\ 0 \\ = \mathbb{Z}_4 \text{SI} = \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0} * \end{array} $	$0 \\ 0 \\ = z_{4m,0}^+ \\ g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^+$	$ \begin{array}{c} 2\overline{200} \\ 3\overline{300} \\ \hline Cm^{001}_{(4)} \end{array} $	
0	weak (000)	$ \begin{array}{c} 1 \\ \hline 135.4 \\ \{1 \frac{1}{2} \frac{1}{2} \frac{1}{2} \} * \\ 0 \end{array} $	$ \begin{array}{r} 1 \\ 494 P_I 4_{2_I} \\ 4_{\frac{1}{2}\frac{1}{2}0}^{001} * \\ 0 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ \hline /mbc \text{Class} \\ 2^{100}_{00\frac{1}{2}} * \\ 0 \end{array} $	$ \begin{array}{r} 0 \\ 1 \\ \hline sification = \\ i \\ 0 \end{array} $	$ \begin{array}{c c} 0 \\ \hline 1 \\ \hline & \mathbb{Z}_M & \mathbf{X}_{BS} \\ \hline & 2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \\ 0 \\ \end{array} $	$ \begin{array}{c} 0 \\ \hline 0 \\ = \mathbb{Z}_4 \text{ SI} = \\ \frac{\bar{4}_{\frac{1}{2}\frac{1}{2}0}^{001} *}{0 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ = z_{4m,0}^+ \\ g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110} \\ 0 \end{array} $	$ \begin{array}{c} 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm_{(4)}^{001} \\ 4400 \end{array} $	
0	weak (000) (000)	$ \begin{array}{r} 1 \\ 135.4 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 0 \end{array} $	$ \begin{array}{r} 1\\ 494 P_I 4_{2,1}\\ 4_{\frac{1}{2}\frac{1}{2}0}^{001} *\\ 0\\ 0 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ \hline /mbc \text{Class} \\ 2^{100}_{00\frac{1}{2}} * \\ 0 \\ 0 \end{array} $	0 1 sification = i 0 0	$ \begin{array}{c c} 0 \\ \hline 1 \\ \hline & Z_M & X_{BS} \\ \hline 2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 0 \\ \hline 0 \\ = \mathbb{Z}_4 \text{ SI} = \\ \frac{\bar{4}_{\frac{1}{2}\frac{1}{2}0}^{001} *}{0} \end{array} $	$0 \\ = z_{4m,0}^+ \\ g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110} \\ 0 \\ 0$	$ \begin{array}{c} 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm_{(4)}^{001} \\ 4400 \\ 0000 \end{array} $	
0 0 1	weak (000) (000) (000)	$ \begin{array}{r} 1 \\ 135.4 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} 1 \\ 494 & P_I 4_{2_I} \\ 4_{\frac{1}{2}\frac{1}{2}0}^{001} * \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} 0 \\ 0 \\ \hline /mbc Class \\ 2^{100}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 0\\ 1\\ \text{sification} = \\ i\\ 0\\ 0\\ 1 \end{array} $	$ \begin{array}{c c} 0 \\ \hline 1 \\ \hline & \mathbb{Z}_{M} & X_{BS} \\ \hline & 2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 0 \\ \hline 0 \\ = \mathbb{Z}_4 \text{ SI} = \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ = z_{4m,0}^+ \\ g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{\frac{1}{2}} \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \end{array} $	
0 0 1 2	weak (000) (000) (000) (000)	$ \begin{array}{r} 1 \\ 135.4 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} 1 \\ 494 & P_I 4_{2_1} \\ \hline 4_{\frac{1}{2},\frac{1}{2},0}^{001} * \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} 0 \\ \hline 0 \\ \hline 0 \\ \hline 2_{00\frac{1}{2}}^{100} * \\ \hline 0 \\ 0 \\ 1 \\ \end{array} $	$ \begin{array}{c} 0\\ 1\\ \text{sification} = \\ i\\ 0\\ 0\\ 1\\ \end{array} $	$\begin{array}{c c} 0 \\ \hline 1 \\ \hline & Z_M & X_{BS} \\ \hline & 2\frac{110}{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \\ \hline & 0 \\ \hline \end{array}$	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ = \mathbb{Z}_4 \text{SI} = \\ \hline 4 \frac{1}{2} \frac{1}{2} \frac{1}{2} 0 * \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ \hline $	$ \begin{array}{c} 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \end{array} $	
0 0 1 2 3	weak (000) (000) (000) (000)	$ \begin{array}{r} 1\\ 135.4\\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*\\ 0\\ 0\\ 1\\ 0\\ 1 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c} 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 2_{00\frac{1}{2}}^{100} * \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ \hline 0 \\ 0 \\ 1 \\ \hline 0 \\ 0 \\ 0 \\ 1 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	0 1 sification = i 0 0 1 0 1 ssification =	$ \begin{array}{c c} 0 \\ 1 \\ \hline Z_M & X_{BS} \\ \hline 2^{110}_{\frac{1}{2}\frac{1}{2}} \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline = \mathbb{Z}_M^2 & X_{BS} \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline = \mathbb{Z}_4 \text{SI} = \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \\ 0 \\ 0 \\ S = \mathbb{Z}_4 \text{SI} \end{array} $	$\begin{array}{c} 0\\ 0\\ \end{array}$ $=z_{4m,0}^{+}$ $\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}}{0}\\ 0\\ 0\\ 1\\ 0\\ 1\\ \end{array}$ $=z_{4P}'$	$ \begin{array}{c} 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \end{array} $	
$egin{array}{c} 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ \hline \mathbb{Z}_4 \end{array}$	weak (000) (000) (000) (000) (000) weak	$ \begin{array}{c} 1\\ 135.4\\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*\\ 0\\ 0\\ 1\\ 0\\ 1\\ 4\frac{001}{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c} 0 \\ 0 \\ \hline 0 \\ \hline \\ 0 \\ \hline \\ 2^{100}_{00\frac{1}{2}} * \\ \hline \\ 0 \\ \hline \\ 0 \\ \hline \\ 1 \\ \hline \\ 0 \\ \hline \\ 1 \\ \hline \\ \hline \\ mnm Class \\ \\ \hline \\ i \\ \\ \end{array}$	$ \begin{array}{c} 0 \\ 1 \\ sification = \\ i \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ ssification = \\ 2^{110} \end{array} $	$ \begin{array}{c c} 0\\ 1\\ \hline 2_{M}^{110}\\ 2_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	$\begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline = \mathbb{Z}_4 \text{SI} = \\ \frac{\overline{4}_{\frac{1}{2}\frac{1}{2}0}^{001} *}{0} \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline S = \mathbb{Z}_4 \text{SI} \\ \hline Cm_{(2)}^{110} \\ \end{array}$	$\begin{array}{c} 0\\ 0\\ =z_{4m,0}^+\\ \hline & g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}\\ 0\\ 0\\ \hline & 0\\ 1\\ \hline & 0\\ 1\\ =z_{4P}'\\ Cm_{(4)}^{001}\\ \end{array}$	$ \begin{array}{c} 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \end{array} $	
$ \begin{array}{c c} 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ \hline \mathbb{Z}_4 \\ 0 \end{array} $	weak (000) (000) (000) (000) (000) weak (000)	$ \begin{array}{r} 1\\ 135.4\\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*\\ 0\\ 0\\ 1\\ 0\\ 1\\ 4\frac{001}{\frac{1}{2}\frac{1}{2}\frac{1}{2}}\\ 0\\ 0\\ \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c} 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 2_{00\frac{1}{2}}^{100} * \\ 0 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline mnm Cla $	0 1 sification = i 0 0 1 0 1 ssification = 2^{110} 0	$ \begin{array}{c c} 0 \\ 1 \\ \hline Z_M & X_{BS} \\ \hline 2\frac{110}{\frac{1}{2}\frac{1}{2}} \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 4\frac{101}{\frac{1}{2}\frac{1}{2}} \\ 0 \\ \hline 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ S = \mathbb{Z}_4 \text{ SI } = 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 4\overline{4} \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ z_{4m,0}^+ \\ g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^+ \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ = z_{4P}' \\ Cm_{(4)}^{001} \\ 4\overline{4}00 \end{array} $	$ \begin{array}{c} 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \end{array} $	
$ \begin{array}{c c} 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \end{array} $	weak (000) (000) (000) (000) (000) weak (000) (000)	$ \begin{array}{c} 1 \\ 135.4 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 136. \\ 4\frac{401}{2}\frac{1}{2}\frac{1}{2} \\ 0 \\ 0 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c} 0 \\ \hline 0 \\ \hline \\ 0 \\ \hline \\ 2^{100}_{00\frac{1}{2}}* \\ \hline \\ 0 \\ \hline \\ 0 \\ \hline \\ 1 \\ \hline \\ 0 \\ \hline \\ 1 \\ \hline \\ \hline \\ mnm Cla \\ \hline \\ i \\ \hline \\ 0 \\ \hline \\ 0 \\ \hline \\ 0 \\ \hline \\ \end{array}$	0 1 sification = i 0 0 1 0 1 ssification = 2^{110} 0 0	$\begin{array}{c c} 0\\ 1\\ \hline 2_{M} & X_{BS}\\ 2_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}\\ 0\\ 0\\ 0\\ 0\\ \hline = \mathbb{Z}_{M}^{2} & X_{BS}\\ 4_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{0}\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline = \mathbb{Z}_4 \text{SI} = \\ \hline 4 \frac{1}{2} \frac{1}{2} \frac{1}{2} * \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ S = \mathbb{Z}_4 \text{SI} \\ \hline Cm_{(2)}^{110} \\ \hline 4 \overline{4} \\ 2 \overline{2} \end{array} $	$\begin{array}{c} 0 \\ 0 \\ \hline 0 \\ = z_{4m,0}^+ \\ g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^+ \\ 0 \\ 0 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ = z_{4P}' \\ Cm_{(4)}^{001} \\ 4\overline{400} \\ 0000 \\ \end{array}$	$ \begin{array}{c} 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \end{array} $	
$ \begin{array}{c c} 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \end{array} $	weak (000) (000) (000) (000) (000) weak (000) (000) (000)	$ \begin{array}{c} 1 \\ 135.4 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 136. \\ 4\frac{001}{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} 1 \\ \hline 494 & P_I 4_{2,1} \\ 4_{\frac{1}{2}\frac{1}{2}0}^{001} * \\ 0 \\ \hline 0 \\ 1 \\ \hline 0 \\ 2_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{100} \\ \hline 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 2_{00\frac{1}{2}}^{100} * \\ \hline 0 \\ 0 \\ \hline 1 \\ \hline 0 \\ 1 \\ \hline 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 0\\ 1\\ sification = \\ i\\ 0\\ 0\\ 1\\ ssification = \\ 2^{110}\\ 0\\ 0\\ 0 \end{array} $	$ \begin{array}{c c} 0 \\ 1 \\ \hline 2_{M} & X_{BS} \\ \hline 2_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline = \mathbb{Z}_{M}^{2} & X_{BS} \\ 4_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{2} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 4 \frac{1}{2} \frac{1}{2} \frac{1}{2} 0 * \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ S = \mathbb{Z}_4 \text{ SI} \\ \hline C m_{(2)}^{110} \\ \hline 4 \overline{4} \\ \hline 2 \overline{2} \\ \hline 2 2 \end{array} $	$\begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ z_{4m,0}^+ \\ g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^+ \\ 0 \\ 0 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline = z_{4P}' \\ Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 0000 \\ \end{array}$	$ \begin{array}{c} 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \end{array} $	
$ \begin{array}{c c} 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ \end{array} $	weak (000) (000) (000) (000) (000) weak (000) (000) (000)	$ \begin{array}{c} 1\\ 135.4\\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*\\ 0\\ 0\\ 1\\ 0\\ 1\\ 4\frac{001}{\frac{1}{2}\frac{1}{2}\frac{1}{2}}\\ 0\\ 0\\ 0\\ 0\\ 0 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c} 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 2_{00\frac{1}{2}}^{100} * \\ \hline 0 \\ 0 \\ \hline 1 \\ \hline 0 \\ 1 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 0\\ 1\\ sification = i\\ 0\\ 0\\ 1\\ 0\\ ssification = 2^{110}\\ 0\\ 0\\ 0\\ 0 \end{array} $	$\begin{array}{c c} 0\\ 1\\ \hline &\mathbb{Z}_{M} & X_{BS}\\ \hline &2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}\\ &0\\ &0\\ &0\\ \hline &0\\ &0\\ \hline &0\\ \hline &0\\ &\frac{2^{110}_{\frac{1}{2}\frac{1}{2}}}{0}\\ &0\\ \hline &0\\ &0\\ &0\\ &0\\ &0\\ &0\\ &0\\ &1\\ \end{array}$	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 2 \\ 4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{c} 0 \\ 0 \\ \hline 0 \\ = z_{4m,0}^+ \\ \hline y_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110} \\ 0 \\ \hline 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline = z_{4P}' \\ \hline Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ \hline 0000 \\ 1\overline{1}00 \\ \end{array}$	$ \begin{array}{c} 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \end{array} $	
$ \begin{array}{c c} 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \end{array} $	weak (000) (000) (000) (000) (000) weak (000) (000) (000) (000) (000)	$ \begin{array}{c} 1 \\ 135.4 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 136. \\ 4\frac{001}{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c} 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 2_{00\frac{1}{2}}^{100} * \\ \hline 0 \\ 0 \\ \hline 1 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 0\\ 1\\ sification = i\\ 0\\ 0\\ 1\\ 0\\ 1\\ ssification = 2^{110}\\ 0\\ 0\\ 0\\ 0\\ 0 \end{array} $	$ \begin{array}{c c} 0 \\ 1 \\ \hline & \mathbb{Z}_{M} & X_{BS} \\ \hline & \frac{2\frac{110}{\frac{1}{2}\frac{1}{2}}{\frac{1}{2}}}{0} \\ 0 & 0 \\ \hline & $	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{c} 0\\ 0\\ \\ 0\\ \\ =z_{4m,0}^{+}\\ \\ \frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{10}}{2^{\frac{1}{2}\frac{1}{2}}}\\ 0\\ 0\\ 1\\ 0\\ 1\\ \\ =z_{4P}'\\ Cm_{(4)}^{001}\\ 4400\\ 0000\\ 0000\\ 1\overline{1}00\\ 2\overline{2}00\\ \end{array}$	$ \begin{array}{c} 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \end{array} $	
$ \begin{array}{c c} 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ \end{array} $	weak (000) (000) (000) (000) (000) weak (000) (000) (000)	$ \begin{array}{c} 1 \\ 135.4 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 136. $ $ \begin{array}{c} 4_{1}^{0} \\ \frac{1}{2}^{1} \\ \frac{1}{2}^{1} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c} 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 2_{00\frac{1}{2}}^{100} * \\ \hline 0 \\ 0 \\ \hline 1 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 $	$ \begin{array}{c} 0 \\ 1 \\ sification = \\ i \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} 0 \\ 1 \\ \hline & \mathbb{Z}_{M} & X_{BS} \\ \hline & 2\frac{110}{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \\ 0 & 0 \\ 0 & 0 \\ \hline & 1 \\ \hline & 0 \\ \hline & 1 \\ \hline & 0 \\ \hline & 1 \\ \hline & 1 \\ \hline & 0 \\ \hline & 1 \\ \hline & 0 \\ \hline & 1 \\ \hline & 1 \\ \hline & 0 \\ \hline & 1 \\ \hline & 0 \\ \hline & 1 \\ \hline & 1 \\ \hline & 0 \\ \hline & 1 \\ \hline & 1 \\ \hline & 0 \\ \hline & $	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ S = \mathbb{Z}_4 \text{ SI } = \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \cdot 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 4\overline{4} \\ 2\overline{2} \\ \overline{2} \\ 2\overline{2} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $	$\begin{array}{c} 0\\ 0\\ \end{array}$ $=z_{4m,0}^{+}$ $g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}\\ 0\\ 0\\ 1\\ \end{array}$ $=z_{4P}^{-}$ $Cm_{(4)}^{001}\\ 4\overline{400}\\ 0000\\ 0000\\ 1\overline{100}\\ 2\overline{200}\\ 3\overline{300}\\ \end{array}$	$ \begin{array}{c} 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \end{array} $	
$ \begin{array}{c c} 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \end{array} $	weak (000) (000) (000) (000) (000) weak (000) (000) (000) (000) (000)	$ \begin{array}{c} 1 \\ 135.4 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 136. $ $ \begin{array}{c} 4_{1}^{0} \\ \frac{1}{2}^{1} \\ \frac{1}{2}^{1} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c} 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 2_{00\frac{1}{2}}^{100} * \\ \hline 0 \\ 0 \\ \hline 1 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 $	$ \begin{array}{c} 0 \\ 1 \\ sification = \\ i \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} 0 \\ 1 \\ \hline & \mathbb{Z}_{M} & X_{BS} \\ \hline & \frac{2\frac{110}{\frac{1}{2}\frac{1}{2}}{\frac{1}{2}}}{0} \\ 0 & 0 \\ \hline & $	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ S = \mathbb{Z}_4 \text{ SI } = \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \cdot 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 4\overline{4} \\ 2\overline{2} \\ \overline{2} \\ 2\overline{2} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $	$\begin{array}{c} 0\\ 0\\ \end{array}$ $=z_{4m,0}^{+}$ $g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}\\ 0\\ 0\\ 1\\ \end{array}$ $=z_{4P}^{-}$ $Cm_{(4)}^{001}\\ 4\overline{400}\\ 0000\\ 0000\\ 1\overline{100}\\ 2\overline{200}\\ 3\overline{300}\\ \end{array}$	$ \begin{array}{c} 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \end{array} $	

	(000)	0	0	0	0	0	44	4400		
0	(000)	0	0	0	0	0	$\frac{4\overline{4}}{2\overline{2}}$	$\frac{4\overline{4}00}{0000}$		
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{\overline{2}}$	0000		
0	(000)	0	0	0	0	0	$\overline{2}2$	0000		
3	(000)	1	1	1	0	0	$1\overline{1}$	1 <u>1</u> 00		
2	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	$2\overline{2}00$		
1	(000)	1	1	1	0	0	$3\overline{3}$	$3\overline{3}00$		
		136.4	$99 P4_2'/r$	mnm' Clas	ssification		$I_{BS} = \mathbb{Z}_2$ SI =	$=z_{2P}^{\prime}$		
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	i	$2^{110}*$	$\bar{4}^{001}_{\frac{1}{2},\frac{1}{2},\frac{1}{2}}*$	$m_{1\bar{1}0}*$	$Cm_{(2)}^{001}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	0	1	1	0	0	$1\overline{1}00$		
	. ,	136.50	$\frac{10}{10} P4_{2}^{\prime}/n$	n'n'm Clas	sification =	= Z _M X	$_{\mathrm{BS}}=\mathbb{Z}_{2}\mathrm{SI}=% \left(-\frac{1}{2}\right) \left($	70 C		
$\overline{\mathbb{Z}_2}$	weak	$\frac{4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{4^{001}} *$	$\frac{2^{100}}{2^{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	<u>i*</u>	2 ¹¹⁰ *	$\frac{-2M}{4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	$\frac{Cm_{(0)}^{110}}{Cm_{(0)}^{110}}$	~2,54		
							$\frac{2\overline{2}}{2}$			
0	(000)	0	0	0	0	0	$\frac{22}{2\overline{2}}$			
0	(000)	0	0	0	0	0	$\frac{22}{1\overline{1}}$			
1	(000)	1	0	0	1	1	11			
-		136.501 P4	$\frac{1}{2}/mn'm'$	Classificat	$ion = \mathbb{Z}_M$	$\times \mathbb{Z}$ X_{BS}	$\frac{11}{S = \mathbb{Z}_{2,4} \text{SI} = \frac{1}{m_{1\bar{1}0}} *}$	$z_{2m,\pi}^+, z_{4m,\pi}^+$	0	
$\mathbb{Z}_{2,4}$	weak	$4^{001}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	i	$2^{110}*$	$4^{001}_{\frac{1}{2},\frac{1}{2},\frac{1}{2}}$	$m_{1\bar{1}0}*$	$Cm_{(4)}^{001}$		
00	(004)	2	0	0	0	0	0	0422		
00	(000)	0	0	0	0	0	0	$4\overline{4}00$		
00	(000)	0	0	0	0	0	0	0000		
01	(000)	0	1	1	1	1	0	$1\overline{1}00$		
02	(000)	0	0	0	0	0	0	$2\overline{2}00$		
03	(000)	0	1	1	1	1	0	$3\overline{3}00$		
10	(002)	1	0	1	1	0	0	0211		
11	(002)	1	1	0	0	1	0	1111		
12	(002)	1	0	1	1	0	0	2011		
13	(002)	1	1	0	0	1	0	$3\overline{1}11$		
		136.50	$\frac{02}{P4_{2}^{\prime}/r}$	n'nm' Cla	ssification	$= \mathbb{Z}_2 X_1$	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ $\mathrm{SI}=% \mathrm{SI}_{2}$	Z2 S.		
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\frac{2^{100}}{2^{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}*$	<i>i</i> *	2^{110}	$\frac{-2}{4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	$\frac{m_{1\bar{1}0}*}{m_{1\bar{1}0}}$	~2,04		
$\frac{-2}{0}$	(000)	$\frac{-\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{-\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	0	0	$\frac{-\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	0			
$\frac{0}{1}$	(000)	1	1	0	0	1	0			
	(000)									
		136.5	$\frac{04 P_c 4_2}{1001}$	mnm Clas	ssification :	$=\mathbb{Z}_{M}^{2}$ X	$L_{\rm BS} = \mathbb{Z}_4$ SI =	$= z'_{4P}$	o: 001	
\mathbb{Z}_4	weak	$\{1 00\frac{1}{2}\}*$	$4\frac{1001}{\frac{1}{2}\frac{1}{2}0}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	i	2_{000}^{110}	$\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$Cm_{(2)}^{110}$	$Cm_{(4)}^{001}$	
0	(000)	0	0	0	0	0	0	$4\overline{4}$	$4\overline{4}00$	
0	(000)	0	0	0	0	0	0	$2\overline{2}$	0000	
0	(000)	0	0	0	0	0	0	$\overline{2}2$	0000	
3	(000)	1	1	1	1	0	0	$1\overline{1}$	$1\overline{1}00$	
2	(000)	0	0	0	0	0	0	$2\overline{2}$	$2\overline{2}00$	
1	(000)	1	1	1	1	0	0	$3\overline{3}$	$3\overline{3}00$	
		136.5	$05 P_{C}4_{2}$	mnm Cla	ssification	$=\mathbb{Z}_{M}^{2}$ X	$X_{\mathrm{BS}} = \mathbb{Z}_4 \mathrm{SI} =$	$=z'_{AP}$		
$\overline{\mathbb{Z}_4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	i	$\frac{2_{00\frac{1}{2}}^{M}*}{2_{00\frac{1}{2}}^{010}*}$	$\frac{\bar{4}^{001}_{001}}{\bar{4}^{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	$g_{00\frac{1}{2}}^{100}*$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{110}$
0	(000)	0	$\frac{-\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{-\frac{1}{2}\frac{1}{2}0}{0}$	0	$\frac{-00\frac{1}{2}}{0}$	$\frac{-\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{300\frac{1}{2}}{0}$	$\frac{4\overline{400}}{4\overline{400}}$	$\frac{44}{4}$
0	(000)	0	0	0	0	0	0	0	0000	$\frac{44}{22}$
0	(000)	0	0	0	0	0	0	0	0000	$\frac{22}{2\overline{2}}$
3	(000)	1	0	1	1	1	1	0	$\frac{0000}{1\overline{1}00}$	$\frac{22}{1\overline{1}}$
2	(000)	0	0	0	0	0	0	0	$\frac{1100}{2\overline{2}00}$	$\frac{11}{2\overline{2}}$
$\frac{2}{1}$	(000)	1	0	1	1	1	1	0	$\frac{2200}{3\overline{3}00}$	$\frac{22}{3\overline{3}}$
	(000)								9900	
		136.5	$\frac{06 P_I 4_2}{4001}$	mnm Cla		$= \mathbb{Z}_{M}^{2} X$	$L_{\rm BS} = \mathbb{Z}_4$ SI =	$= z'_{4P}$	Q 110	
\mathbb{Z}_4	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}*$	$2^{100}*$	i	2^{110}	$\bar{4}^{001}*$	$Cm_{(4)}^{001}$	$Cm^{110}_{\underline{(2)}}$	
0	(000)	0	0	0	0	0	0	$4\overline{4}00$	$\frac{4\overline{4}}{\overline{}}$	
0	(000)	0	0	0	0	0	0	0000	$\overline{2}2$	

	(005)								22
0	(000)	0	0	0	0	0	0	0000	$2\overline{2}$
3	(000)	1	1	1	1	0	0	$1\overline{1}00$	11
2	(000)	0	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}$
1	(000)	1	1	1	1	0	0	3300	$3\overline{3}$
			$507 P4_{2}$	/nmc Clas	sification =		$_{\mathrm{SS}} = \mathbb{Z}_2 \mathrm{SI} =$		
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{100}_{\frac{1}{2}00}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$g_{00\frac{1}{2}}^{1\overline{10}}$	$Cm_{(2)}^{100}$	
0	(000)	0	0	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	0	$2\overline{2}00$	
1	(000)	0	0	1	0	1	1	$1\overline{1}00$	
		137.	510 P4' ₂	/nm'c Cla	ssification	$=\mathbb{Z}_2$ X_{P}	$_{\mathrm{SS}} = \mathbb{Z}_2 \mathrm{SI} =$	z'_{2D}	
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}00}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{1\overline{10}}$	21	
0	(000)	$\frac{\bar{2}0\bar{2}}{0}$	0	0	$\frac{\bar{2} \bar{2} \bar{2}}{0}$	$\frac{\bar{2}0\bar{2}}{0}$	0		
$\frac{0}{1}$	(000)	1	1	1	0	0	1		
	(000)	-	11 DA/				77 CT	/	
	1		$\frac{111 P4_2}{100}$		sincation =	$= \mathbb{Z}_M \Lambda_{\mathrm{I}}$	$_{\mathrm{BS}} = \mathbb{Z}_2 \mathrm{SI} =$		
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}00}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{110}*$	$Cm_{(2)}^{100}$	
0	(000)	0	0	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	0	$2\overline{2}00$	
1	(000)	1	0	1	1	0	0	1100	
		137.5		n'm'c Clas			$_{\mathrm{S}}=\mathbb{Z}_{2}$ $\mathrm{SI}=$	z_{2,S_4}	
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}00}$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$g_{00\frac{1}{2}}^{1\overline{10}}$		
0	(000)	0	0	0	0	0	0		
1	(000)	1	0	0	1	1	1		
		137.513 P	$24_2/nm'c'$	Classificat	$ion = \mathbb{Z} \times$	\mathbb{Z}_2 \mathbb{X}_{DC}	$=\mathbb{Z}_{2,2}$ $\mathrm{SI}=2$	72 g 740/2	
$\mathbb{Z}_{2,2}$	weak	$\frac{4^{001}_{\frac{1}{2}0\frac{1}{2}}}{4^{001}_{\frac{1}{2}0\frac{1}{2}}}$	$\frac{2^{100}_{\frac{1}{2}00}*}{2^{100}_{\frac{1}{2}00}}$	$\frac{i}{i}$	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}*$	7001	$g_{00\frac{1}{2}}^{110}*$	~2,54,~40/2	
$\frac{222,2}{00}$	(000)	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	$\frac{2\frac{1}{2}00}{0}$	0	$\frac{2\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{4\frac{1}{2}0\frac{1}{2}}{0}$	$\frac{g_{00\frac{1}{2}}}{0}$		
00	(004)	2	0	0	0	0	2		
01	(004) (002)	1	1	1	0	0	1		
10	(002)	0	1	1	1	1	0		
11	(000)	1	0	0	1	1	1		
	(002)					-	$_{\mathrm{BS}} = \mathbb{Z}_2 \mathrm{SI} =$	~	
	1_	4001 .	$\frac{14 P 4_2/7}{2100}$		ollo	$= \angle M \qquad \Lambda_{\rm E}$	$_{2S} = \mathbb{Z}_2$ $_{2110}$.		
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}00}*$	i*	$2\frac{110}{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$g_{00\frac{1}{2}}^{1\overline{10}}*$	$Cm_{(0)}^{100}$	
0	(000)	0	0	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	0	$2\overline{2}00$	
1	(000)	1	1	0	0	1	0	$1\overline{1}00$	
-		137.5				$=\mathbb{Z}_{M}$ $X_{\mathbf{I}}$	$_{\mathrm{BS}} = \mathbb{Z}_2 \mathrm{SI} =$	$:z_{2P}^{\prime}$	100
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{\frac{1}{2}00}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}_{\frac{1}{2}00}*$	$m_{1\bar{1}0}*$	$Cm_{(2)}^{100}$
0	(000)	0	0	0	0	0	0	0	$2\overline{2}00$
0	(000)	0	0	0	0	0	0	0	$2\overline{2}00$
1	(000)	1	1	0	1	1	0	0	$1\overline{1}00$
		137.5	$17 P_C 4_2$	/nmc Clas	ssification	$=\mathbb{Z}_M$ X	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ $\mathrm{SI}=% \mathrm{SI}_{2}$	$=z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{110}_{00\frac{1}{2}}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{\frac{1}{2}00}*$	$\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}*$	$Cm_{(2)}^{010}$	
0	(000)	0	$\frac{\frac{1}{2}0^{\frac{1}{2}}}{0}$	00 2	0	$\frac{\frac{1}{2}00}{0}$	$0^{\frac{1}{2}\frac{1}{2}}$	$\frac{2\overline{200}}{200}$	
0	(000)	0	0	0	0	0	0	$\frac{2\overline{200}}{2\overline{200}}$	
1	(000)	1	0	1	0	1	0	$1\overline{1}00$	
	1 (/						$_{\mathrm{BS}}=\mathbb{Z}_{2}$ $\mathrm{SI}=% \mathrm{SI}_{2}$		
\mathbb{Z}_2	weak			9100		$\frac{-\omega_M}{2^{110}}$	$\frac{25 - \omega_2}{\sqrt{1001}}$	a ¹¹⁰	$Cm_{(2)}^{010}$
		$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4_{0\frac{1}{2}0}^{001}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$	
0	(000)	0	0	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$
0	(000)	0	0	0	0	0	0	0	$\frac{2\overline{2}00}{1\overline{1}00}$
1	(000)	1	1	1	0	0	1	0	1100
		138.	$519 P4_{2}$	/ncm Clas	sification =	$=\mathbb{Z}_{M}$ X_{E}	$_{\mathrm{SS}} = \mathbb{Z}_2 \mathrm{SI} =$	z'_{2P}	

$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$Cm_{(2)}^{110}$			
0	(000)	$0^{\frac{\overline{2}}{2}0}$	$\frac{\overline{2}0\overline{2}}{0}$	0	$\frac{\overline{2}\overline{2}0}{0}$	$\frac{\overline{2}}{0}$	$\frac{2\overline{2}}{2}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
1	(000)	0	0	1	0	1	$1\overline{1}$			
		138.5	$522 P4'_{2}/$	nc'm Clas	ssification =	$=\mathbb{Z}_{M}$ X_{E}	$_{\mathrm{SS}} = \mathbb{Z}_2 \mathrm{SI} =$	$=z'_{2D}$		
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$\frac{2^{100}}{2^{100}_{\frac{1}{2}0^{\frac{1}{2}}}}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$\frac{4001}{4_{\frac{1}{2}0_{\frac{1}{2}}}^{1001}}*$	$Cm_{(2)}^{110}$	2F		
0	(000)	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	0	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	$\frac{2\overline{2}}{2\overline{2}}$			
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$			
1	(000)	1	1	1	0	0	<u> </u>			
		138	523 P4'	/ncm' Cla	ssification	$= \mathbb{Z}_0 X_{\mathrm{B}}$	$S = \mathbb{Z}_2$ $SI =$	2/2		
$\overline{\mathbb{Z}_2}$	weak	$\frac{4^{001}}{4^{001}_{\frac{1}{2}0^{\frac{1}{2}}}}*$	$\frac{2^{100}_{\frac{1}{2}0^{\frac{1}{2}}}}{2^{100}_{\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\frac{\overline{4001}}{\overline{4001}}*$	$\frac{5}{m_{1\bar{1}0}*}$	~2P		
$\frac{-2}{0}$	(000)	$\frac{-\frac{1}{2}0\frac{1}{2}}{0}$	$\frac{-\frac{1}{2}0\frac{1}{2}}{0}$	0	$\frac{-\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{-\frac{1}{2}0\frac{1}{2}}{0}$	0			
$\frac{0}{1}$	(000)	1	0	1	1	0	0			
	(000)									
\mathbb{Z}_2	weak	138.5	$\frac{24 F \cdot 4_2 / 7}{2100}$	$\frac{n'c'm}{i*}$ Clas	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}*}{2^{110}_{\frac{1}{2}\frac{1}{2}0}}$	$\frac{= \angle M \Lambda_B}{\sqrt{1001}}$	$c_{\rm S} = \mathbb{Z}_2 \text{ SI} = \frac{110}{Cm_{(0)}^{110}}$	z_{2,S_4}		
		$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}0^{\frac{1}{2}}}$			$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$, ,			
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$			
$\frac{0}{1}$	(000)	0	0	0	0	0	$\frac{22}{1\overline{1}}$			
	(000)							/0		
777	1		$\frac{P4_2/nc'm'}{2100}$		$tion = \mathbb{Z} \times$		$=\mathbb{Z}_{2,2}$ $SI=$	$z_{2,S_4}, z_{4C}/2$		
$\mathbb{Z}_{2,2}$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$m_{1\bar{1}0}*$			
00	(000)	0	0	0	0	0	0			
00	(004)	2	0	0	0	0	0			
01	(002)	1	0	1	1	0	0			
$\frac{10}{11}$	(000)	0	1 1	0	0	1	0			
11	(002)	1	1	U	U	1	0			
		100 5	'00 D4/	/ / 👊		F77 3.7	F77 CT			
77/	1_		$\frac{100}{2100}$		ssification		$S = \mathbb{Z}_2$ $SI = \mathbb{Z}_2$	z_{2,S_4}		
\mathbb{Z}_2	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}*$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$ar{4}^{001}_{rac{1}{2}0rac{1}{2}}$	$m_{1\bar{1}0}*$	z_{2,S_4}		
0	(000)		$ \frac{526 P4_2'/4}{2_{\frac{1}{2}0\frac{1}{2}}^{100} *} 0 $	<i>i</i> *	$\begin{array}{c} 2^{110}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \end{array}$	$\frac{\bar{4}_{\frac{1}{2}0\frac{1}{2}}^{001}}{0}$	$m_{1\bar{1}0}*$ 0	z_{2,S_4}		
		$\begin{array}{c} 4^{001}_{\frac{1}{2}0\frac{1}{2}} * \\ 0 \\ 1 \end{array}$	$ \begin{array}{c} 2^{100}_{\frac{1}{2}0^{\frac{1}{2}}} * \\ 0 \\ 1 \end{array} $	<i>i</i> * 0 0	$ \begin{array}{c} 2^{110}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \end{array} $	$ \begin{array}{r} 4^{001}_{\frac{1}{2}0\frac{1}{2}} \\ 0 \\ 1 \end{array} $	$m_{1\bar{1}0}*$ 0 0	, -		
0 1	(000)	$ \begin{array}{r} 4_{\frac{1}{2}0\frac{1}{2}}^{001} * \\ 0 \\ 1 \\ 138.5 \end{array} $	$ \begin{array}{c} 2^{100}_{\frac{1}{2}0^{\frac{1}{2}}} * \\ 0 \\ 1 \\ 528 P_c 4_{2/} \end{array} $	i* 0 0 ncm Clas	$ \begin{array}{c} 2\frac{110}{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \end{array} $ ssification =	$egin{array}{c} \overline{4^{001}_{rac{1}{2}0rac{1}{2}}} \ 0 \ 1 \ = \mathbb{Z}_M & \mathrm{X_E} \end{array}$	$m_{1\bar{1}0}*$ 0 0 $g_{S} = \mathbb{Z}_{2} SI =$	$=z'_{2P}$		
0	(000)	$\begin{array}{c} 4^{001}_{\frac{1}{2}0\frac{1}{2}} * \\ 0 \\ 1 \end{array}$	$ \begin{array}{c} 2^{100}_{\frac{1}{2}0^{\frac{1}{2}}} * \\ 0 \\ 1 \end{array} $	i* 0 0 ncm Clas	$ \begin{array}{c} 2^{110}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \end{array} $	$egin{array}{c} \overline{4^{001}_{rac{1}{2}0rac{1}{2}}} \ 0 \ 1 \ = \mathbb{Z}_M & \mathrm{X_E} \end{array}$	$m_{1\bar{1}0}*$ 0 0	, -		
$ \begin{array}{c} 0 \\ 1 \\ \hline \mathbb{Z}_2 \\ 0 \end{array} $	(000) (000) weak (000)	$4\frac{1001}{2}\frac{1}{2}\frac{1}{2}$ 0 1 138.5 $\{1 00\frac{1}{2}\}*$	$ \begin{array}{c} 2\frac{100}{2}\frac{1}{2}0\frac{1}{2}*\\ 0\\ 1\\ 528 P_c 4_{2/}\\ 4\frac{001}{2}0*\\ 0 \end{array} $	$i*$ 0 0 /ncm Clas $2\frac{100}{200}*$ 0	$ \begin{array}{c} 2\frac{110}{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ ssification = i \\ 0 \end{array} $	$ \begin{array}{c} 4_{\frac{1}{2}0\frac{1}{2}}^{001} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \end{array} $	$m_{1\bar{1}0}*$ 0 0 $3S = \mathbb{Z}_2 \text{ SI} = \frac{4_{\frac{1}{2}00}^{001} *}{0}$			
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0 \end{array} $	(000) (000) weak (000) (000)	$ \begin{array}{c} 4_{\frac{1}{2}0\frac{1}{2}}^{101} * \\ 0 \\ 1 \\ 138.5 \\ \{1 00\frac{1}{2}\} * \end{array} $	$ \begin{array}{c} 2\frac{100}{2}\frac{1}{2}\frac{1}{2} \\ 0 \\ 1 \\ 528 P_c 4_{2} \\ 4\frac{100}{2}\frac{1}{2} \end{array} $	$i*$ 0 0 $/ncm$ Clas $\frac{2\frac{100}{2}00}{0}*$ 0	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ \text{ssification} = \\ i \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 4_{\frac{1}{2}0\frac{1}{2}}^{001} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ \frac{2_{\frac{1}{2}\frac{1}{2}0}^{110}}{0} \\ 0 \end{array} $	$m_{1\bar{1}0}*$ 0 0 0 $3S = \mathbb{Z}_2 SI = \frac{\bar{4}_{\frac{1}{2}00}^{001} *}{0}$ 0	$ \begin{array}{c} z'_{2P} \\ Cm_{(2)}^{1\bar{1}0} \\ \hline 2\bar{2} \\ 2\bar{2} \end{array} $		
$ \begin{array}{c} 0 \\ 1 \\ \hline \mathbb{Z}_2 \\ 0 \end{array} $	(000) (000) weak (000)	$4\frac{1001}{2}\frac{1}{2}\frac{1}{2}$ 0 1 138.5 $\{1 00\frac{1}{2}\}*$	$ \begin{array}{c} 2_{\frac{1}{2}0\frac{1}{2}}^{100} * \\ 0 \\ 1 \\ 528 P_{c}4_{\frac{1}{2}00} * \\ 0 \\ 0 \\ 1 \end{array} $	$i*$ 0 0 /ncm Class $2\frac{1}{2}00$ * 0 0 1	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ ssification = i \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 4_{\frac{1}{2}0\frac{1}{2}}^{001} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ 0 \end{array} $	$m_{1\bar{1}0}*$ 0 0 $g_{S} = \mathbb{Z}_{2} \text{ SI} = \frac{\bar{4}_{\frac{1}{2}00}^{001} *}{0}$ 0 0			
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \end{array} $	(000) (000) weak (000) (000)	$4\frac{1001}{20\frac{1}{2}} * 0$ 1 138.5 $\{1 00\frac{1}{2}\} * 0$ 0 1 138.5	$ \begin{array}{c} 2_{\frac{1}{2}0\frac{1}{2}}^{100} * \\ 0 \\ 1 \\ 528 P_{c}4_{2} \\ 4_{\frac{1}{2}00}^{001} * \\ 0 \\ 0 \\ 1 \\ 529 P_{C}4_{2} \end{array} $	$i*$ 0 0 /ncm Clas $2\frac{100}{200}*$ 0 0 1 /ncm Cla	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ ssification = i \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 4_{\frac{1}{2}0\frac{1}{2}}^{001} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ 0 \\ = \mathbb{Z}_{M} X_{E} \end{array} $	$m_{1\bar{1}0}*$ 0 0 $3S = \mathbb{Z}_2 SI = \frac{4^{001}_{\frac{1}{2}00}*}{0}$ 0 0 0 $3S = \mathbb{Z}_2 SI = \frac{1}{2^{00}}$			
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0 \end{array} $	(000) (000) weak (000) (000)	$4\frac{1001}{20\frac{1}{2}} * 0$ 1 138.5 $\{1 00\frac{1}{2}\} * 0$ 0 1	$ \begin{array}{c} 2_{\frac{1}{2}0\frac{1}{2}}^{100} * \\ 0 \\ 1 \\ 528 P_{c}4_{\frac{1}{2}00} * \\ 0 \\ 0 \\ 1 \end{array} $	$i*$ 0 0 /ncm Class $2\frac{1}{2}00$ * 0 0 1	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ ssification = i \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 4_{\frac{1}{2}0\frac{1}{2}}^{001} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ 0 \end{array} $	$m_{1\bar{1}0}*$ 0 0 $3S = \mathbb{Z}_2 SI = \frac{4^{001}_{\frac{1}{2}00}*}{0}$ 0 0 0 $3S = \mathbb{Z}_2 SI = \frac{1}{2^{00}}$		$Cm_{(2)}^{110}$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \end{array} $	(000) (000) weak (000) (000) (000)	$4\frac{1001}{20\frac{1}{2}} * 0$ 1 138.5 $\{1 00\frac{1}{2}\} * 0$ 0 1 138.5	$ \begin{array}{c} 2_{\frac{1}{2}0\frac{1}{2}}^{100} * \\ 0 \\ 1 \\ 528 P_{c}4_{2} \\ 4_{\frac{1}{2}00}^{001} * \\ 0 \\ 0 \\ 1 \\ 529 P_{C}4_{2} \end{array} $	$i*$ 0 0 /ncm Clas $2\frac{100}{200}*$ 0 0 1 /ncm Cla	$2\frac{110}{\frac{1}{2}\frac{1}{2}0}$ 0 0 ssification = i 0 1 ssification =	$ \begin{array}{c} 4_{\frac{1}{2}0\frac{1}{2}}^{001} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ 0 \\ = \mathbb{Z}_{M} X_{E} \end{array} $	$m_{1\bar{1}0}*$ 0 0 $g_{S} = \mathbb{Z}_{2} \text{ SI} = \frac{\bar{4}_{\frac{1}{2}00}^{001} *}{0}$ 0 0		$\frac{Cm_{(2)}^{110}}{22}$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2 \end{array} $	(000) (000) weak (000) (000) (000)	$4\frac{1001}{20\frac{1}{2}} * 0$ 1 138.5 $\{1 00\frac{1}{2}\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}0\} * $	$\begin{array}{c} 2^{100}_{\frac{1}{2}0\frac{1}{2}}*\\ 0\\ 1\\ 528 P_{c}4_{2}\\ 4^{001}_{\frac{1}{2}00}*\\ 0\\ 0\\ 1\\ 529 P_{C}4_{2}\\ 4^{001}_{\frac{1}{2}0\frac{1}{2}} \end{array}$	$i*$ 0 0 \sqrt{ncm} Clas $\frac{2_{\frac{1}{2}00}^{100}}{0}*$ 0 1 \sqrt{ncm} Clas $\frac{1}{2_{000}^{110}}*$	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ ssification = i \\ 0 \\ 0 \\ 1 \\ ssification = i_{\frac{1}{2}\frac{1}{2}0}* \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}0\frac{1}{2}} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ \frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}}{0} \\ 0 \\ 0 \\ = \mathbb{Z}_{M} X_{E} \\ \frac{2^{010}_{\frac{1}{2}0\frac{1}{2}}}{2^{010}_{\frac{1}{2}}} \end{array}$	$m_{1\bar{1}0}*$ 0 0 $3S = \mathbb{Z}_2 SI = \frac{\bar{4}_{\frac{1}{2}00}^{001} *}{0}$ 0 0 0 $3S = \mathbb{Z}_2 SI = \frac{\bar{4}_{\frac{1}{2}00}^{001} *}{0}$		$\frac{2\overline{2}}{2\overline{2}}$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0 \end{array} $	(000) (000) weak (000) (000) (000) weak (000)	$4\frac{1001}{20\frac{1}{2}} * 0$ 1 138.5 $\{1 00\frac{1}{2}\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}0\} * 0$	$ \begin{array}{c} 2_{\frac{1}{2}0\frac{1}{2}}^{100} * \\ 0 \\ 1 \\ 528 P_{c}4_{2/} \\ 4_{\frac{1}{2}00}^{001} * \\ 0 \\ 0 \\ 1 \\ 529 P_{C}4_{2} \\ 4_{\frac{1}{2}0\frac{1}{2}}^{001} \\ 0 \\ 0 \\ 0 \end{array} $	$i*$ 0 0 $/ncm$ Clas $2\frac{100}{200}*$ 0 1 $/ncm$ Clas $2\frac{1100}{2000}*$	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ ssification = \\ i \\ 0 \\ 0 \\ 1 \\ ssification = \\ i_{\frac{1}{2}\frac{1}{2}0}* \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 4_{\frac{1}{2}0\frac{1}{2}}^{001} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ 0 \\ = \mathbb{Z}_{M} X_{E} \\ 2_{\frac{1}{2}0\frac{1}{2}}^{010} \\ 0 \\ 0 \\ = 0 \end{array} $	$m_{1\bar{1}0}*$ 0 0 $3S = \mathbb{Z}_2 SI = \frac{4^{001}_{\frac{1}{2}00}*}{0}$ 0 0 0 $3S = \mathbb{Z}_2 SI = \frac{4^{001}_{\frac{1}{2}\frac{1}{2}}*}{0}$ 0 0 0 0 0 0 0 0 0 0		$2\overline{2}$	
$egin{array}{c} 0 \\ \hline 1 \\ \hline & \mathbb{Z}_2 \\ \hline 0 \\ 0 \\ \hline 1 \\ \hline & \mathbb{Z}_2 \\ \hline 0 \\ 0 \\ \hline \end{array}$	(000) (000) weak (000) (000) (000) weak (000) (000)	$4\frac{1001}{20\frac{1}{2}} * 0$ 1 138.5 $\{1 00\frac{1}{2}\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}0\} * 0$ 0	$ \begin{array}{c} 2_{\frac{100}{2}0\frac{1}{2}}^{1} * \\ 0 \\ 1 \\ 528 P_{c}4_{\frac{1}{2}00} * \\ 0 \\ 0 \\ 1 \\ 529 P_{C}4_{\frac{1}{2}0\frac{1}{2}} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$i*$ 0 0 \sqrt{ncm} Clas $\frac{2_{\frac{1}{2}00}^{100}*}{0}$ 0 1 \sqrt{ncm} Clas $\frac{2_{000}^{110}*}{0}$ 0 1 \sqrt{ncm} Clas $\frac{1}{ncm}$ Clas	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ ssification = i \\ 0 \\ 0 \\ 1 \\ ssification = i_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}0\frac{1}{2}} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ \frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}}{0} \\ 0 \\ 0 \\ = \mathbb{Z}_{M} X_{E} \\ \frac{2^{010}_{\frac{1}{2}0\frac{1}{2}}}{0} \\ 0 \\ 0 \\ = \mathbb{Z}_{M} X_{E} \\ \end{array}$	$m_{1\bar{1}0}*$ 0 0 0 $3S = \mathbb{Z}_2 SI = \frac{\bar{4}_{\frac{1}{2}00}^{001} *}{0}$ 0 0 $3S = \mathbb{Z}_2 SI = \frac{\bar{4}_{\frac{1}{2}00}^{001} *}{0}$ 0 0 0 0 0 0 0 0 0 0		$\frac{2\overline{2}}{2\overline{2}}$	
$egin{array}{c} 0 \\ \hline 1 \\ \hline & \mathbb{Z}_2 \\ \hline 0 \\ 0 \\ \hline 1 \\ \hline & \mathbb{Z}_2 \\ \hline 0 \\ 0 \\ \hline \end{array}$	(000) (000) weak (000) (000) (000) weak (000) (000)	$4\frac{001}{\frac{1}{2}0\frac{1}{2}} * 0$ 1 138.5 $\{1 00\frac{1}{2}\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}0\} * 0$ 0 1 138.5	$ \begin{array}{c} 2_{\frac{100}{2}0\frac{1}{2}}^{1} * \\ 0 \\ 1 \\ 528 P_{c}4_{2} \\ 4_{\frac{1}{2}00}^{001} * \\ 0 \\ 0 \\ 1 \\ 529 P_{C}4_{2} \\ 4_{\frac{1}{2}0\frac{1}{2}}^{001} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$i*$ 0 0 \sqrt{ncm} Clas $\frac{2_{\frac{1}{2}00}^{100}*}{0}$ 0 1 \sqrt{ncm} Clas $\frac{2_{000}^{110}*}{0}$ 0 1 \sqrt{ncm} Clas $\frac{1}{ncm}$ Clas	$2\frac{110}{\frac{1}{2}\frac{1}{2}0}$ 0 0 ssification = i 0 1 ssification = $i\frac{1}{\frac{1}{2}\frac{1}{2}0}*$ 0 0 0 ssification =	$\begin{array}{c} 4^{001}_{\frac{1}{2}0\frac{1}{2}} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ \frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}}{0} \\ 0 \\ 0 \\ = \mathbb{Z}_{M} X_{E} \\ \frac{2^{010}_{\frac{1}{2}0\frac{1}{2}}}{0} \\ 0 \\ 0 \\ = \mathbb{Z}_{M} X_{E} \\ \end{array}$	$m_{1\bar{1}0}*$ 0 0 0 $3S = \mathbb{Z}_2 SI = \frac{\bar{4}_{\frac{1}{2}00}^{001} *}{0}$ 0 0 $3S = \mathbb{Z}_2 SI = \frac{\bar{4}_{\frac{1}{2}00}^{001} *}{0}$ 0 0 0 0 0 0 0 0 0 0		$\frac{2\overline{2}}{2\overline{2}}$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \end{array} $	(000) (000) weak (000) (000) (000) weak (000) (000) (000)	$4\frac{1001}{20\frac{1}{2}} * 0$ 1 138.5 $\{1 00\frac{1}{2}\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}0\} * 0$ 0 1	$ \begin{array}{c} 2_{\frac{1}{2}0\frac{1}{2}}^{100} * \\ 0 \\ 1 \\ 528 P_{c}4_{2} \\ 4_{\frac{1}{2}00}^{001} * \\ 0 \\ 0 \\ 1 \\ 529 P_{c}4_{2} \\ 4_{\frac{1}{2}0\frac{1}{2}}^{001} \\ 0 \\ 0 \\ 0 \end{array} $	$i*$ 0 0 \sqrt{ncm} Clas $\frac{2\frac{100}{200}*}{0}$ 0 1 \sqrt{ncm} Cla $\frac{2\frac{110}{200}*}{0}$ 0 1	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ ssification = i \\ 0 \\ 0 \\ 1 \\ ssification = i_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 4_{\frac{1}{2}0\frac{1}{2}}^{001} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ 0 \\ = \mathbb{Z}_{M} X_{F} \\ 2_{\frac{1}{2}0\frac{1}{2}}^{010} * \\ 0 \\ 0 \\ 1 \end{array} $	$m_{1\bar{1}0}*$ 0 0 0 $3S = \mathbb{Z}_2 SI = \frac{\bar{4}_{\frac{1}{2}00}^{001} *}{0}$ 0 0 0 $3S = \mathbb{Z}_2 SI = \frac{\bar{4}_{0\frac{1}{2}\frac{1}{2}}^{001} *}{0}$ 0 0 0 0 0 0		$\frac{2\overline{2}}{2\overline{2}}$	
$egin{array}{c} 0 \\ \hline 1 \\ \hline & \mathbb{Z}_2 \\ \hline 0 \\ 0 \\ \hline 1 \\ \hline & \mathbb{Z}_2 \\ \hline 0 \\ 0 \\ \hline 1 \\ \hline & \mathbb{Z}_2 \\ \hline \end{array}$	(000) (000) weak (000) (000) (000) weak (000) (000) (000) weak	$4\frac{001}{\frac{1}{2}0\frac{1}{2}}*$ 0 1 138.8 $\{1 00\frac{1}{2}\}*$ 0 0 1 138.8 $\{1 \frac{1}{2}\frac{1}{2}0\}*$ 0 0 1 138.8 $\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\begin{array}{c} 2^{100}_{\frac{1}{2}0\frac{1}{2}} * \\ 0 \\ 1 \\ 528 P_{c}4_{2} \\ 4^{001}_{\frac{1}{2}00} * \\ 0 \\ 0 \\ 1 \\ 529 P_{C}4_{2} \\ 4^{001}_{\frac{1}{2}0\frac{1}{2}} \\ 0 \\ 0 \\ 0 \\ 530 P_{I}4_{2} \\ 4^{001}_{0\frac{1}{2}0} * \end{array}$	$ \begin{array}{c c} i* \\ \hline 0 \\ \hline 0 \\ \hline \\ /ncm & \text{Clas} \\ \hline 2^{100}_{\frac{1}{2}00}* \\ \hline 0 \\ \hline 1 \\ \hline \\ /ncm & \text{Cla} \\ \hline 2^{110}_{000}* \\ \hline 0 \\ \hline 1 \\ \hline \\ /ncm & \text{Clas} \\ \hline 2^{100}_{0\frac{1}{2}0}* \\ \hline \end{array} $	$ \begin{array}{c} 2^{110}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ ssification = \\ i \\ 0 \\ 0 \\ 1 \\ ssification = \\ i_{\frac{1}{2}\frac{1}{2}0}* \\ 0 \\ 0 \\ 0 \\ ssification = \\ i_{\frac{1}{2}\frac{1}{2}0}* \\ 0 \\ 0 \\ ssification = \\ i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}* \\ 0 \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} 4^{001}_{\frac{1}{2}0\frac{1}{2}} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ \frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}}{0} \\ 0 \\ 0 \\ = \mathbb{Z}_{M} X_{E} \\ \frac{2^{010}_{\frac{1}{2}0\frac{1}{2}}}{0} \\ 0 \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ \frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}}{0} \\ \end{array}$	$\begin{array}{c} m_{1\bar{1}0}* \\ 0 \\ 0 \\ 3S = \mathbb{Z}_2 SI = \\ \hline 4_{\frac{1}{2}00}^{001}* \\ 0 \\ 0 \\ 0 \\ 3S = \mathbb{Z}_2 SI = \\ \hline 4_{0\frac{1}{2}\frac{1}{2}}^{001}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 3S = \mathbb{Z}_2 SI = \\ \hline 4_{\frac{1}{2}0\frac{1}{2}}^{001}* \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$		$\frac{2\overline{2}}{2\overline{2}}$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 0\\ 1 \end{array} $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$4\frac{001}{\frac{1}{2}0\frac{1}{2}} * 0$ 1 138.8 $\{1 00\frac{1}{2}\} * 0$ 0 1 138.8 $\{1 \frac{1}{2}\frac{1}{2}0\} * 0$ 0 1 138.8 $\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\} * 0$ 0	$ \begin{array}{c} 2\frac{100}{2}0\frac{1}{2} \\ 0 \\ 1 \\ 528 P_{c}4_{2} \\ 4\frac{1}{2}00 \\ 0 \\ 0 \\ 1 \\ 529 P_{c}4_{2} \\ 4\frac{1}{2}0\frac{1}{2} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c c} i* \\ \hline 0 \\ \hline 0 \\ \hline \\ /ncm & \text{Clas} \\ \hline 2\frac{100}{\frac{1}{2}00}* \\ \hline 0 \\ \hline 1 \\ \hline \\ /ncm & \text{Cla} \\ \hline 2\frac{110}{000}* \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline \\ /ncm & \text{Clas} \\ \hline 2\frac{100}{0\frac{1}{2}0}* \\ \hline 0 \\ \hline \end{array} $	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ ssification = \\ i \\ 0 \\ 0 \\ 1 \\ ssification = \\ i_{\frac{1}{2}\frac{1}{2}0}* \\ 0 \\ 0 \\ 0 \\ ssification = \\ i_{\frac{1}{2}\frac{1}{2}0}* \\ 0 \\ 0 \\ 0 \\ ssification = \\ i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}* \\ 0 \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ ssification = \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} 4^{001}_{\frac{1}{2}0\frac{1}{2}} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ \frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}}{0} \\ 0 \\ 0 \\ = \mathbb{Z}_{M} X_{F} \\ \frac{2^{010}_{\frac{1}{2}\frac{1}{2}0}}{0} \\ 0 \\ 0 \\ = \mathbb{Z}_{M} X_{E} \\ \frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}}{0} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{c} m_{1\bar{1}0}* \\ 0 \\ 0 \\ 3s = \mathbb{Z}_2 SI = \\ \hline 4_{\frac{1}{2}00}^{001}* \\ 0 \\ 0 \\ 3s = \mathbb{Z}_2 SI = \\ \hline 4_{0\frac{1}{2}\frac{1}{2}}^{001}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3s = \mathbb{Z}_2 SI = \\ \hline 4_{\frac{1}{2}0\frac{1}{2}}^{001}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $		$\frac{2\overline{2}}{2\overline{2}}$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 0\\ 0 \end{array} $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$4\frac{001}{\frac{1}{2}0\frac{1}{2}} * 0$ 1 138.5 $\{1 00\frac{1}{2}\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}0\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\} * 0$ 0 1 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\} * 0$ 0 1	$\begin{array}{c} 2^{100}_{\frac{1}{2}0\frac{1}{2}}*\\ 0\\ 1\\ 528 P_{c}4_{2}\\ 4^{001}_{\frac{1}{2}00}*\\ 0\\ 0\\ 1\\ 529 P_{C}4_{2}\\ 4^{001}_{\frac{1}{2}0\frac{1}{2}}\\ 0\\ 0\\ 0\\ 530 P_{I}4_{2}\\ 4^{001}_{0\frac{1}{2}0}*\\ 0\\ 0\\ 1\\ \end{array}$	$ \begin{array}{c} i* \\ 0 \\ 0 \\ \hline 0 \\ \hline \\ /ncm \text{Clas} \\ 2\frac{1}{2}00 * \\ 0 \\ 0 \\ \hline 1 \\ \hline \\ /ncm \text{Cla} \\ 2\frac{1}{0}00 * \\ 0 \\ 0 \\ \hline 1 \\ \hline \\ /ncm \text{Cla} \\ 2\frac{1}{0}00 * \\ 0 \\ 0 \\ \hline 1 \\ \hline \\ /ncm \text{Cla} \\ 0 \\ 0 \\ 1 \\ \hline \\ \end{array} $	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ ssification = \\ i \\ 0 \\ 0 \\ 1 \\ ssification = \\ i_{\frac{1}{2}\frac{1}{2}0}* \\ 0 \\ 0 \\ ssification = \\ i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}* \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}0\frac{1}{2}} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 2^{110}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ 0 \\ \end{array}$ $= \mathbb{Z}_{M} X_{E} \\ 2^{010}_{\frac{1}{2}0\frac{1}{2}} * \\ 0 \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$m_{1\bar{1}0}*$ 0 0 $3S = \mathbb{Z}_2 SI = \frac{4^{001}_{\frac{1}{2}00}*}{0}$ 0 0 0 $3S = \mathbb{Z}_2 SI = \frac{4^{001}_{0\frac{1}{2}\frac{1}{2}}*}{0}$ 0 0 0 0 0 0 0 0 1		$\frac{2\overline{2}}{2\overline{2}}$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \end{array} $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$4\frac{001}{\frac{1}{2}0\frac{1}{2}} * 0$ 1 138.5 $\{1 00\frac{1}{2}\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}0\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\} * 0$ 0 1 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\} * 0$ 0 1	$\begin{array}{c} 2^{100}_{\frac{1}{2}0\frac{1}{2}}*\\ 0\\ 1\\ 528 P_{c}4_{2}\\ 4^{001}_{\frac{1}{2}00}*\\ 0\\ 0\\ 1\\ 529 P_{C}4_{2}\\ 4^{001}_{\frac{1}{2}0\frac{1}{2}}\\ 0\\ 0\\ 0\\ 530 P_{I}4_{2}\\ 4^{001}_{0\frac{1}{2}0}*\\ 0\\ 0\\ 1\\ \end{array}$	$ \begin{array}{c} i* \\ 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 2\frac{100}{200}* \\ 0 \\ \hline 0 \\ \hline 1 \\ \hline /ncm \text{Cla} \\ \hline 2\frac{100}{200}* \\ 0 \\ \hline 1 \\ \hline /ncm \text{Cla} \\ \hline 2\frac{100}{20}* \\ \hline 0 \\ 0 \\ \hline \end{array} $	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ ssification = \\ i \\ 0 \\ 0 \\ 1 \\ ssification = \\ i_{\frac{1}{2}\frac{1}{2}0}* \\ 0 \\ 0 \\ ssification = \\ i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}* \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}0\frac{1}{2}} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 2^{110}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ 0 \\ \end{array}$ $= \mathbb{Z}_{M} X_{E} \\ 2^{010}_{\frac{1}{2}0\frac{1}{2}} * \\ 0 \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$m_{1\bar{1}0}*$ 0 0 $3S = \mathbb{Z}_2 SI = \frac{4^{001}_{\frac{1}{2}00}*}{0}$ 0 0 $3S = \mathbb{Z}_2 SI = \frac{4^{001}_{0\frac{1}{2}\frac{1}{2}}*}{0}$ 0 0 0 0 0 0 0 0 1 $3S = \mathbb{Z}_2 SI = \frac{4^{001}_{\frac{1}{2}0\frac{1}{2}}}{0}$ 0 0 1 $3S = \mathbb{Z}_8 SI = \frac{1}{2}$		$ \begin{array}{c} 2\overline{2} \\ 2\overline{2} \\ 1\overline{1} \end{array} $	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 0\\ 0 \end{array} $	(000) (000) (000) weak (000) (000) weak (000) (000) (000) weak (000) (000) (000)	$4\frac{001}{\frac{1}{2}0\frac{1}{2}} * 0$ 1 138.5 $\{1 00\frac{1}{2}\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}0\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\} * 0$ 0 0 1 139 4^{001}	$ \begin{array}{c} 2_{\frac{100}{2}0\frac{1}{2}}^{1} * \\ 0 \\ 1 \\ 528 P_{c}4_{2} \\ 4_{\frac{1}{2}00}^{001} * \\ 0 \\ 0 \\ 1 \\ 529 P_{C}4_{2} \\ 4_{\frac{1}{2}0\frac{1}{2}}^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 530 P_{I}4_{2} \\ 4_{0\frac{1}{2}0}^{01} * \\ 0 \\ 0 \\ 0 \\ 1 \\ .531 I4/n $	$i*$ 0 0 \sqrt{ncm} Clas $2\frac{100}{\frac{1}{2}00}*$ 0 1 \sqrt{ncm} Clas $2\frac{110}{000}*$ 0 1 \sqrt{ncm} Clas $2\frac{110}{000}*$ 0 0 1 \sqrt{ncm} Clas $2\frac{100}{0\frac{1}{2}0}*$ 0 0 1 mmm Clas	$\begin{array}{c} 2^{110}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ \text{ssification} = \\ i \\ 0 \\ 0 \\ 1 \\ \text{ssification} = \\ i_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \\ \text{ssification} = \\ i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} * \\ 0 \\ 0 \\ \text{ssification} = \\ 0 \\ 0 \\ \text{ssification} \\ 2^{110} \\ \end{array}$	$\begin{array}{c} 4^{001}_{\frac{1}{2}0\frac{1}{2}} \\ 0 \\ 1 \\ \hline = \mathbb{Z}_{M} X_{E} \\ \frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}}{0} \\ 0 \\ 0 \\ \hline = \mathbb{Z}_{M} X_{E} \\ \frac{2^{010}_{\frac{1}{2}\frac{1}{2}0}}{0} \\ 0 \\ 1 \\ \hline = \mathbb{Z}_{M} X_{E} \\ \frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}}{0} \\ 0 \\ 0 \\ \hline = \mathbb{Z}_{M}^{3} X_{E} \\ \end{array}$	$m_{1\bar{1}0}*$ 0 0 $3S = \mathbb{Z}_2 SI = \frac{4^{001}_{\frac{1}{2}00}*}{0}$ 0 0 0 $3S = \mathbb{Z}_2 SI = \frac{4^{001}_{0\frac{1}{2}\frac{1}{2}}*}{0}$ 0 0 0 0 0 0 0 0 1		$ \begin{array}{c c} \hline 2\overline{2} \\ \hline 2\overline{2} \\ 1\overline{1} \end{array} $ $ Cm_{(2)}^{110} $	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_8 $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$4\frac{001}{\frac{1}{2}0\frac{1}{2}} * 0$ 1 138.5 $\{1 00\frac{1}{2}\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}0\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2} \frac{1}{2}\} * 0$ 0 0 1 139.5	$\begin{array}{c} 2^{100}_{\frac{1}{2}0\frac{1}{2}} * \\ 0 \\ 1 \\ 528 P_{c}4_{2} \\ 4^{001}_{\frac{1}{2}00} * \\ 0 \\ 0 \\ 1 \\ 529 P_{C}4_{2} \\ 4^{001}_{\frac{1}{2}0\frac{1}{2}} \\ 0 \\ 0 \\ 0 \\ 530 P_{I}4_{2} \\ 4^{001}_{0\frac{1}{2}0} * \\ 0 \\ 0 \\ 1 \\ \hline .531 I4/n \\ 2^{100} \\ \end{array}$	$i*$ 0 0 \sqrt{ncm} Clas $2\frac{100}{200}*$ 0 1 \sqrt{ncm} Clas $2\frac{100}{2000}*$ 0 1 \sqrt{ncm} Clas $2\frac{100}{000}*$ 0 1 \sqrt{ncm} Clas $2\frac{100}{000}*$ 0 1 \sqrt{ncm} Clas $2\frac{100}{000}*$ 0 1 mmm Clas	$2\frac{110}{\frac{1}{2}\frac{1}{2}0}$ 0 0 ssification = i 0 0 1 ssification = $i\frac{\frac{1}{2}\frac{1}{2}0}{0}$ 0 0 ssification = $i\frac{\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$ 0 ossification = 0 ussification	$\begin{array}{c} 4^{001}_{\frac{1}{2}0\frac{1}{2}} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 2^{110}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ 0 \\ = \mathbb{Z}_{M} X_{E} \\ 2^{010}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 0 \\ 0 \\ 0 \\ 0 \\ = \mathbb{Z}_{M}^{110}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ 0 \\ = \mathbb{Z}_{M}^{3}_{M} X_{E} \\ 0 \\ 0 \\ 0 \\ \end{array}$	$m_{1\bar{1}0}*$ 0 0 0 $3S = \mathbb{Z}_{2} SI = \frac{\bar{4}_{\frac{1}{2}00}^{001} *}{0}$ 0 0 0 $3S = \mathbb{Z}_{2} SI = \frac{\bar{4}_{\frac{1}{2}00}^{001} *}{0}$ 0 0 0 0 0 $3S = \mathbb{Z}_{2} SI = \frac{\bar{4}_{\frac{1}{2}0\frac{1}{2}}^{001} *}{0}$ 0 0 1 $3S = \mathbb{Z}_{8} SI = Cm_{(2)}^{010}$		$ \begin{array}{c} 2\overline{2} \\ 2\overline{2} \\ 1\overline{1} \end{array} $	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_8\\ 0 \end{array} $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$4\frac{001}{\frac{1}{2}0\frac{1}{2}} * 0$ 1 138.5 $\{1 00\frac{1}{2}\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}0\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\} * 0$ 0 1 139 4^{001} 0	$\begin{array}{c} 2^{100}_{\frac{1}{2}0\frac{1}{2}}*\\ 0\\ 1\\ 528 P_{c}4_{2}\\ 4^{001}_{\frac{1}{2}00}*\\ 0\\ 0\\ 1\\ 529 P_{C}4_{2}\\ 4^{001}_{\frac{1}{2}0\frac{1}{2}}\\ 0\\ 0\\ 0\\ 530 P_{I}4_{2}\\ 4^{001}_{0\frac{1}{2}0}*\\ 0\\ 0\\ 1\\ .531 I4/n\\ 2^{100}\\ 0\\ \end{array}$	$i*$ 0 0 \sqrt{ncm} Clas $2\frac{100}{200}*$ 0 1 \sqrt{ncm} Clas $2\frac{1100}{2000}*$ 0 1 \sqrt{ncm} Clas $2\frac{1100}{000}*$ 0 1 \sqrt{ncm} Clas $2\frac{100}{000}*$ 0 1 mmm Clas	$\begin{array}{c} 2^{110}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ \text{ssification} = \\ i \\ 0 \\ 0 \\ 1 \\ \text{ssification} = \\ \frac{i_{\frac{1}{2}\frac{1}{2}0}*}{0} \\ 0 \\ 0 \\ \text{ssification} = \\ \frac{i_{\frac{1}{2}\frac{1}{2}0}*}{0} \\ 0 \\ \text{ssification} = \\ 0 \\ 0 \\ \text{ssification} \\ 2^{110} \\ 0 \\ \end{array}$	$\begin{array}{c} 4^{001}_{\frac{1}{2}0\frac{1}{2}} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 2^{110}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ 0 \\ = \mathbb{Z}_{M} X_{E} \\ 2^{010}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 2^{110}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ 0 \\ = \mathbb{Z}_{M}^{3} X_{E} \\ 0 \\ 0 \\ 0 \\ = \mathbb{Z}_{M}^{3} X_{E} \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} m_{1\bar{1}0}* \\ 0 \\ 0 \\ 0 \\ 3S = \mathbb{Z}_2 SI = \\ \hline{4_{\frac{1}{2}00}^{001}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 3S = \mathbb{Z}_2 SI = \\ \hline{4_{0\frac{1}{2}\frac{1}{2}}^{01}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$		$ \begin{array}{c c} \hline 2\overline{2} \\ 2\overline{2} \\ \hline 1\overline{1} \end{array} $ $ \begin{array}{c c} Cm_{(2)}^{110} \\ \hline 8\overline{8} \end{array} $	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_2\\ 0\\ 0\\ 1\\ \hline \mathbb{Z}_8\\ 0\\ 0\\ 0\\ 0 \end{array} $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$4\frac{001}{\frac{1}{2}0\frac{1}{2}} * 0$ 1 138.5 $\{1 00\frac{1}{2}\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}0\} * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2}) * 0$ 0 1 138.5 $\{1 \frac{1}{2}\frac{1}{2} * 0 * 0$ 1 139 4^{001} 0 0	$\begin{array}{c} 2^{100}_{\frac{1}{2}0\frac{1}{2}}*\\ 0\\ 1\\ 528 P_{c}4_{2}\\ 4^{\frac{1}{2}00}*\\ 0\\ 0\\ 1\\ 529 P_{C}4_{2}\\ 4^{\frac{1}{2}01}_{\frac{1}{2}}\\ 0\\ 0\\ 0\\ 530 P_{I}4_{2}\\ 4^{\frac{1}{2}0\frac{1}{2}}\\ 0\\ 0\\ 0\\ 1\\ .531 I4/n\\ 2^{\frac{100}{2}}\\ 0\\ 0\\ 0\\ \end{array}$	$i*$ 0 0 \sqrt{ncm} Clas $2\frac{100}{\frac{1}{2}00}*$ 0 1 \sqrt{ncm} Cla $2\frac{100}{\frac{1}{2}00}*$ 0 1 \sqrt{ncm} Clas $2\frac{100}{000}*$ 0 1 \sqrt{ncm} Clas $2\frac{100}{0\frac{1}{2}0}*$ 0 0 1 mmm Clas	$\begin{array}{c} 2^{110}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ \text{ssification} = \\ i \\ 0 \\ 0 \\ 1 \\ \text{ssification} = \\ i^{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ 0 \\ \text{ssification} = \\ i^{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \\ 0 \\ 0 \\ \text{ssification} = \\ 0 \\ 0 \\ \text{ssification} \\ 2^{110} \\ 0 \\ 0 \\ \end{array}$	$\begin{array}{c} 4^{001}_{\frac{1}{2}0\frac{1}{2}} \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 2^{110}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ 0 \\ \end{array}$ $= \mathbb{Z}_{M} X_{E} \\ 2^{010}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ 1 \\ = \mathbb{Z}_{M} X_{E} \\ 2^{110}_{\frac{1}{2}\frac{1}{2}0} \\ 0 \\ 0 \\ 0 \\ = \mathbb{Z}_{M}^{X_{E}} X_{E} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c} m_{1\bar{1}0}* \\ 0 \\ 0 \\ 3S = \mathbb{Z}_2 SI = \\ \hline 4_{\frac{1}{2}00}^{001}* \\ 0 \\ 0 \\ 0 \\ 3S = \mathbb{Z}_2 SI = \\ \hline 4_{0\frac{1}{2}\frac{1}{2}}^{001}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 3S = \mathbb{Z}_2 SI = \\ \hline 4_{\frac{1}{2}0\frac{1}{2}}^{001}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 3S = \mathbb{Z}_8 SI = \\ \hline Cm_{(2)}^{010} \\ 8\overline{8} \\ \hline 22 \\ \end{array}$		$ \begin{array}{c c} \hline 2\overline{2} \\ \hline 2\overline{2} \\ \hline 1\overline{1} \end{array} $ $ \begin{array}{c c} \hline Cm_{(2)}^{110} \\ \hline 8\overline{8} \\ \hline 44 \end{array} $	

6	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}$	$2\overline{2}$	
1	(000)	0	0	1	0	1	$3\overline{3}$	$3\overline{3}$	$3\overline{3}$	
4	(000)	0	0	0	0	0	$4\overline{4}$	$4\overline{4}$	$4\overline{4}$	
7	(000)	0	0	1	0	1	$5\overline{5}$	$5\overline{5}$	$5\overline{5}$	
2	(000)	0	0	0	0	0	$6\overline{6}$	$6\overline{6}$	$6\overline{6}$	
5	(000)	0	0	1	0	1	$7\overline{7}$	$7\overline{7}$	$7\overline{7}$	
		139	534 I4'/n	nm'm Cl	assification :	$= \mathbb{Z}^2$	$X_{BS} = \mathbb{Z}_4$ SI =	= 2'		
\mathbb{Z}_4	weak	4 ⁰⁰¹ *	$\frac{2^{100}*}{}$	$\frac{i}{i}$	2110	$\frac{Z_M}{4^{001}*}$	$Cm_{(2)}^{001}$	$Cm_{(2)}^{110}$		
					<u>-</u>					
0	(000)	0	0	0	0	0	$\frac{4\overline{4}}{200}$	$\frac{4\overline{4}}{\overline{2}}$		
0	(000)	0	0	0	0	0	00	$\frac{\overline{2}2}{2\overline{2}}$		
0	(000)	0	0	0	0	0	00	$2\overline{2}$		
3	(000)	1	1	1	0	0	11	11		
2	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}$		
1	(000)	1	1	1	0	0	$3\overline{3}$	$3\overline{3}$		
		139.	535 I4'/n	nmm' Cl	assification =	$=\mathbb{Z}_{M}^{2}$	$X_{BS} = \mathbb{Z}_4$ SI =	$=z'_{AP}$		
\mathbb{Z}_4	weak	$4^{001}*$	2^{100}	i	$2^{110}*$	$\bar{4}^{001}*$	$m_{1\bar{1}0}*$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{001}$	
0	(000)	0	0	0	0	0	0	$\frac{(2)}{4\overline{4}}$	$\frac{(2)}{4\overline{4}}$	
0	(000)	0	0	0	0	0	0	$\frac{11}{2\overline{2}}$	00	
0	(000)	0	0	0	0	0	0	$\frac{22}{22}$	00	
$\frac{}{3}$	(000)	1	0	1	1	0	0	$\frac{22}{1\overline{1}}$	$\frac{00}{1\overline{1}}$	
$\frac{3}{2}$	(000)	0	0	0	0	0	0	$\frac{11}{2\overline{2}}$	$\frac{11}{2\overline{2}}$	
	/		0	1		0	0	$\frac{22}{3\overline{3}}$	$\frac{22}{3\overline{3}}$	
1	(000)	1			1				აა	
			636 I4'/m	d'm'm Cla		$=\mathbb{Z}_{M}$ Σ	$X_{\mathrm{BS}} = \mathbb{Z}_2$ SI =	$= z_{2,S_4}$		
\mathbb{Z}_2	weak	$4^{001}*$	2^{100}	i*	$2^{110}*$	$\bar{4}^{001}$	$Cm_{(0)}^{1\bar{1}0}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
1	(000)	1	0	0	1	1	11			
	/									
	1	30 537 IA	/mm'm'	Classificat	$ion = \mathbb{Z}_{re} \times$	7 Yng	_ 7 SI _	<u>~</u> + ~-		
77		$139.537 I_{4001}$	$\frac{1}{2}/mm'm'$		$ion = \mathbb{Z}_M \times 2^{110}$	\mathbb{Z} X_{BS}	$SI = \mathbb{Z}_{4,4}$ $SI = \mathbb{Z}_{4,4}$	$z_{4m,87}^+, z_{4m,8}^-$	37	
$\mathbb{Z}_{4,4}$	weak	4^{001}	$2^{100}*$	i	$2^{110}*$	$\bar{4}^{001}$	$m_{1\bar{1}0}*$	$Cm_{(4)}^{001}$	37	
00	$\frac{\text{weak}}{(44\overline{4})}$	$\frac{4^{001}}{0}$	$\frac{2^{100}*}{0}$	$\frac{i}{0}$	$\frac{2^{110}*}{0}$	$\frac{\bar{4}^{001}}{0}$	$\frac{m_{1\bar{1}0}*}{0}$	$\frac{Cm_{(4)}^{001}}{44}$	37	
00	$ \begin{array}{c c} & \text{weak} \\ \hline & (44\overline{4}) \\ \hline & (000) \end{array} $	$ \begin{array}{c} 4^{001} \\ \hline 0 \\ 0 \end{array} $	$\frac{2^{100}*}{0}$	$\begin{array}{c} i \\ 0 \\ 0 \end{array}$	$\frac{2^{110}*}{0}$	$ \begin{array}{r} \overline{4^{001}} \\ \hline 0 \\ 0 \end{array} $	$m_{1\bar{1}0}*$ 0 0	$ \begin{array}{c c} Cm_{(4)}^{001} \\ \hline 44 \\ \hline 4\overline{4} \end{array} $	37	
00 00 00	weak (444) (000) (000)	$ \begin{array}{c} 4^{001} \\ 0 \\ 0 \\ 0 \end{array} $	$\frac{2^{100}*}{0}$	<i>i</i> 0 0 0 0	$ \begin{array}{c} 2^{110} * \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} \overline{4^{001}} \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} m_{1\bar{1}0}* \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} Cm_{(4)}^{001} \\ \hline 44 \\ \hline 44 \\ \hline 00 \end{array} $	37	
00 00 00 00 01	weak (444) (000) (000) (000)	4 ⁰⁰¹ 0 0 0 0 0	2 ¹⁰⁰ * 0 0 1	i 0 0 0 0 1	$ \begin{array}{c} 2^{110}* \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} \hline 4^{001} \\ \hline 0 \\ 0 \\ \hline 0 \\ 1 \end{array} $	$m_{1\bar{1}0}*$ 0 0 0 0	$ \begin{array}{c c} Cm_{(4)}^{001} \\ \hline 44 \\ \hline 44 \\ \hline 00 \\ \hline 1\overline{1} \end{array} $	37	
00 00 00 01 02	weak (444) (000) (000) (000) (000)	$ \begin{array}{c} 4^{001} \\ 0 \\ 0 \\ 0 \end{array} $	$\frac{2^{100}*}{0}$	<i>i</i> 0 0 0 0	$ \begin{array}{c} 2^{110} * \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} \overline{4^{001}} \\ 0 \\ 0 \\ 0 \end{array} $	$m_{1\bar{1}0}*$ 0 0 0 0 0 0	$ \begin{array}{r} Cm_{(4)}^{001} \\ \hline 44 \\ \hline 44 \\ \hline 00 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \end{array} $	37	
$ \begin{array}{c c} 00 \\ 00 \\ 00 \\ 01 \\ 02 \\ 03 \\ \end{array} $	weak (444) (000) (000) (000) (000) (000)	4 ⁰⁰¹ 0 0 0 0 0 0 0 0 0	2 ¹⁰⁰ * 0 0 1 0 1	i 0 0 0 0 1 0 1	2 ¹¹⁰ * 0 0 0 1 0 1	$ \begin{array}{c c} \hline $	$m_{1\bar{1}0}*$ 0 0 0 0 0 0 0	$ \begin{array}{r} Cm_{(4)}^{001} \\ \hline 44 \\ \hline 44 \\ \hline 00 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \end{array} $	37	
00 00 00 01 02 03 10	weak (444) (000) (000) (000) (000) (000) (111)	4 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0	2 ¹⁰⁰ * 0 0 1 0	i 0 0 0 1 0 1 0 0	2 ¹¹⁰ * 0 0 0 1 0	$ \begin{array}{c c} \hline $	$m_{1\bar{1}0}*$ 0 0 0 0 0 0	$ \begin{array}{r} Cm_{(4)}^{001} \\ \hline 44 \\ \hline 44 \\ \hline 00 \\ \hline 1\overline{1} \\ 2\overline{2} \\ \hline 3\overline{3} \\ 11 \end{array} $	37	
00 00 00 01 02 03 10	$ \begin{array}{c} \text{weak} \\ \hline (44\overline{4}) \\ (000) \\ (000) \\ (000) \\ (000) \\ (011\overline{1}) \\ (11\overline{1}) \\ \end{array} $	4 ⁰⁰¹ 0 0 0 0 0 0 0 0 0	2 ¹⁰⁰ * 0 0 1 0 1	i 0 0 0 1 0 1 0 1 1 0 1 1	2 ¹¹⁰ * 0 0 0 1 0 1	$ \begin{array}{c c} \hline $	$m_{1\bar{1}0}*$ 0 0 0 0 0 0 0	$ \begin{array}{r} Cm_{(4)}^{001} \\ 44 \\ \hline 44 \\ \hline 00 \\ 1\overline{1} \\ \hline 2\overline{2} \\ 3\overline{3} \\ 11 \\ 20 \end{array} $	37	
00 00 00 01 02 03 10 11	$\begin{array}{c} \text{weak} \\ (44\overline{4}) \\ (000) \\ (000) \\ (000) \\ (000) \\ (11\overline{1}) \\ (11\overline{1}) \\ (11\overline{1}) \end{array}$	4 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ¹⁰⁰ * 0 0 1 0 1 0	i 0 0 0 0 1 0 1 0 0 1 0 0 0 0 0 0 0 0 0	2 ¹¹⁰ * 0 0 1 0 1 0 1 0 1 0	$ \begin{array}{c} \hline 4^{001} \\ 0 \\ 0 \\ 0 \\ \hline 1 \\ 0 \\ \hline 1 \\ 0 \\ \hline 1 \\ 0 \end{array} $	$m_{1\bar{1}0}*$ 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{r} Cm_{(4)}^{001} \\ 44 \\ \hline 44 \\ \hline 00 \\ 1\overline{1} \\ \hline 2\overline{2} \\ 3\overline{3} \\ 11 \\ \hline 20 \\ 3\overline{1} \end{array} $	37	
00 00 00 01 02 03 10	$\begin{array}{c} \text{weak} \\ \hline (44\overline{4}) \\ (000) \\ (000) \\ (000) \\ (000) \\ (11\overline{1}) \\ (11\overline{1}) \\ (11\overline{1}) \\ (11\overline{1}) \\ \end{array}$	4 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ¹⁰⁰ * 0 0 1 0 1 0 1	i 0 0 0 1 0 1 0 1 1 0 1 1	2 ¹¹⁰ * 0 0 1 0 1 0 1 1 1	$ \begin{array}{c c} \hline 4^{001} \\ \hline 0 \\ 0 \\ \hline 1 \\ 0 \\ 1 \end{array} $	$m_{1\bar{1}0}*$ 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{r} Cm_{(4)}^{001} \\ \hline 44 \\ \hline 47 \\ \hline 00 \\ \hline 11 \\ 22 \\ \hline 33 \\ 11 \\ 20 \\ \hline 31 \\ \hline 42 \\ \end{array} $	37	
00 00 00 01 02 03 10 11	$\begin{array}{c} \text{weak} \\ (44\overline{4}) \\ (000) \\ (000) \\ (000) \\ (000) \\ (11\overline{1}) \\ (11\overline{1}) \\ (11\overline{1}) \end{array}$	4 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ¹⁰⁰ * 0 0 1 0 1 0 1 0 1 0	i 0 0 0 0 1 0 1 0 0 1 0 0 0 0 0 0 0 0 0	2 ¹¹⁰ * 0 0 1 0 1 0 1 0 1 0	$ \begin{array}{c} \hline 4^{001} \\ 0 \\ 0 \\ 0 \\ \hline 1 \\ 0 \\ \hline 1 \\ 0 \\ \hline 1 \\ 0 \end{array} $	$m_{1\bar{1}0}*$ 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{r} Cm_{(4)}^{001} \\ 44 \\ \hline 44 \\ \hline 00 \\ 1\overline{1} \\ \hline 2\overline{2} \\ 3\overline{3} \\ 11 \\ \hline 20 \\ 3\overline{1} \end{array} $	37	
00 00 00 01 02 03 10 11 12 13	$\begin{array}{c} \text{weak} \\ \hline (44\overline{4}) \\ (000) \\ (000) \\ (000) \\ (000) \\ (11\overline{1}) \\ (11\overline{1}) \\ (11\overline{1}) \\ (11\overline{1}) \\ \end{array}$	4 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ¹⁰⁰ * 0 0 1 0 1 0 1 0 1	i 0 0 0 1 0 1 0 1 0 1 1 0 1 1 1 0 1	2 ¹¹⁰ * 0 0 1 0 1 0 1 0 1	0 0 0 1 0 1 0 1 0	$m_{1\bar{1}0}*$ 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{r} Cm_{(4)}^{001} \\ \hline 44 \\ \hline 47 \\ \hline 00 \\ \hline 11 \\ 22 \\ \hline 33 \\ 11 \\ 20 \\ \hline 31 \\ \hline 42 \\ \end{array} $	37	
00 00 00 01 02 03 10 11 12 13	$\begin{array}{c} \text{weak} \\ \hline (44\overline{4}) \\ (000) \\ (000) \\ (000) \\ (000) \\ (000) \\ (11\overline{1}) \\ (11\overline{1}) \\ (11\overline{1}) \\ (11\overline{1}) \\ (22\overline{2}) \\ \end{array}$	4 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ¹⁰⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	i 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0	2 ¹¹⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	$ \begin{array}{c c} \hline 4^{001} \\ \hline 0 \\ 0 \\ \hline 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \end{array} $	$m_{1\bar{1}0}*$ 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{r} Cm_{(4)}^{001} \\ 44 \\ \hline 44 \\ 00 \\ \hline 1\overline{1} \\ 2\overline{2} \\ \hline 3\overline{3} \\ 11 \\ 20 \\ 3\overline{1} \\ 4\overline{2} \\ 22 \end{array} $	37	
00 00 00 01 02 03 10 11 12 13 20	weak (444) (000) (000) (000) (000) (000) (111) (111) (111) (122) (222)	4 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ¹⁰⁰ * 0 0 1 0 1 0 1 0 1 0 1 1 1	i 0 0 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1	2 ¹¹⁰ * 0 0 1 0 1 0 1 0 1 0 1 1 1	$ \begin{array}{c c} \hline 4^{001} \\ \hline 0 \\ 0 \\ \hline 1 \\ 0 \\ \hline 1 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $	$m_{1\bar{1}0}*$ 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{r} Cm_{(4)}^{001} \\ 44 \\ \hline 44 \\ \hline 00 \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 11 \\ 20 \\ 3\overline{1} \\ 4\overline{2} \\ 22 \\ 31 \end{array} $	37	
00 00 00 01 02 03 10 11 12 13 20 21 22 23	$\begin{array}{c} \text{weak} \\ (44\overline{4}) \\ (000) \\ (000) \\ (000) \\ (000) \\ (11\overline{1}) \\ (11\overline{1}) \\ (11\overline{1}) \\ (22\overline{2}) \\ (22\overline{2}) \\ (22\overline{2}) \\ (22\overline{2}) \\ \end{array}$	4 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ¹⁰⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	i 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0	2 ¹¹⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0	1 0 0 1 0 1 0 1 0 1 0 1 0 1 0	$m_{1\bar{1}0}*$ 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{r} Cm_{(4)}^{001} \\ 44 \\ \hline 44 \\ \hline 00 \\ 1\overline{1} \\ \hline 2\overline{2} \\ 3\overline{3} \\ 11 \\ 20 \\ 3\overline{1} \\ 4\overline{2} \\ 22 \\ 31 \\ 40 \end{array} $	37	
00 00 00 01 02 03 10 11 12 13 20 21 22 23 30	$\begin{array}{c} \text{weak} \\ (44\overline{4}) \\ (000) \\ (000) \\ (000) \\ (000) \\ (000) \\ (11\overline{1}) \\ (11\overline{1}) \\ (11\overline{1}) \\ (22\overline{2}) \\ (22\overline{2}) \\ (22\overline{2}) \\ (33\overline{3}) \\ \end{array}$	4 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ¹⁰⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 1	i 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1	2 ¹¹⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	$m_{1\bar{1}0}*$ 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm^{001}_{(4)} \\ 44 \\ \hline 44 \\ \hline 00 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 11 \\ \hline 20 \\ \hline 3\overline{1} \\ \hline 4\overline{2} \\ \hline 22 \\ \hline 31 \\ \hline 40 \\ \hline 5\overline{1} \\ \hline 33 \\ \end{array}$	37	
00 00 00 01 02 03 10 11 12 13 20 21 22 23 30 31	$\begin{array}{c} \text{weak} \\ \hline (44\overline{4}) \\ \hline (000) \\ (000) \\ \hline (000) \\ (000) \\ \hline (000) \\ \hline (11\overline{1}) \\ \hline (11\overline{1}) \\ \hline (11\overline{1}) \\ \hline (22\overline{2}) \\ \hline (22\overline{2}) \\ \hline (22\overline{2}) \\ \hline (33\overline{3}) \\ \hline (33\overline{3}) \\ \hline \end{array}$	4 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ¹⁰⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1	i 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1	2 ¹¹⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 1 0 1	$\begin{array}{c} 4^{001} \\ \hline 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 1$	$m_{1\bar{1}0}*$ 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm^{001}_{(4)} \\ \hline 44 \\ \hline 44 \\ \hline 00 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 11 \\ \hline 20 \\ \hline 3\overline{1} \\ \hline 4\overline{2} \\ \hline 22 \\ \hline 31 \\ \hline 40 \\ \hline 5\overline{1} \\ \hline 33 \\ \hline 42 \\ \hline \end{array}$	37	
00 00 01 02 03 10 11 12 13 20 21 22 23 30 31 32	weak (444) (000) (000) (000) (000) (011) (111) (111) (111) (222) (222) (222) (333) (333) (333)	4 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ¹⁰⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	i 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 ¹¹⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	$m_{1\bar{1}0}*$ 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm^{001}_{(4)} \\ \hline 44 \\ \hline 44 \\ \hline 00 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 11 \\ \hline 20 \\ \hline 3\overline{1} \\ \hline 4\overline{2} \\ \hline 22 \\ \hline 31 \\ \hline 40 \\ \hline 5\overline{1} \\ \hline 33 \\ \hline 42 \\ \hline 51 \\ \hline \end{array}$	37	
00 00 00 01 02 03 10 11 12 13 20 21 22 23 30 31	$\begin{array}{c} \text{weak} \\ \hline (44\overline{4}) \\ \hline (000) \\ (000) \\ \hline (000) \\ (000) \\ \hline (000) \\ \hline (11\overline{1}) \\ \hline (11\overline{1}) \\ \hline (11\overline{1}) \\ \hline (22\overline{2}) \\ \hline (22\overline{2}) \\ \hline (22\overline{2}) \\ \hline (33\overline{3}) \\ \hline (33\overline{3}) \\ \hline \end{array}$	4 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ¹⁰⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1	i 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 ¹¹⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	$m_{1\bar{1}0}*$ 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm^{001}_{(4)} \\ \hline 44 \\ \hline 44 \\ \hline 00 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ 11 \\ \hline 20 \\ \hline 3\overline{1} \\ \hline 4\overline{2} \\ \hline 22 \\ \hline 31 \\ \hline 40 \\ \hline 5\overline{1} \\ \hline 33 \\ \hline 42 \\ \hline 51 \\ \hline 60 \\ \end{array}$	37	
00 00 01 02 03 10 11 12 13 20 21 22 23 30 31 32 33	weak (444) (000) (000) (000) (000) (000) (111) (111) (111) (222) (222) (222) (333) (333) (333)	4 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$2^{100}*$ 0 0 1	i 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 ¹¹⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	$ \begin{array}{c} $		$ \begin{array}{r} Cm_{(4)}^{001} \\ 44 \\ \hline 44 \\ \hline 00 \\ 1\overline{1} \\ \hline 22\overline{2} \\ 3\overline{3} \\ 11 \\ 20 \\ 3\overline{1} \\ 4\overline{2} \\ 22 \\ 31 \\ 40 \\ 5\overline{1} \\ 33 \\ 42 \\ 51 \\ 60 \\ = z_{2,S_{4}} $	37	
$ \begin{array}{c c} 00 \\ 00 \\ 00 \\ 01 \\ 02 \\ 03 \\ 10 \\ 11 \\ 12 \\ 13 \\ 20 \\ 21 \\ 22 \\ 23 \\ 30 \\ 31 \\ 32 \\ 33 \\ \hline \mathbb{Z}_2 $	weak (444) (000) (000) (000) (000) (000) (111) (111) (111) (122) (222) (222) (222) (222) (333) (333) (333) (333)	4^{001} 0 0 0 0 0 0 0 0 0 0	$2^{100}*$ 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0	i 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 ¹¹⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	$ \begin{array}{c c} \hline 4001 \\ \hline 0 \\ 0 \\ \hline 0 \\ 1 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline 0 \\ 0 \\ 1 \\ \hline 0 \\ 0 \\ 1 \\ \hline 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$		$\begin{array}{c} Cm^{001}_{(4)} \\ \hline 44 \\ \hline 44 \\ \hline 00 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 11 \\ \hline 20 \\ \hline 3\overline{1} \\ \hline 4\overline{2} \\ \hline 22 \\ \hline 31 \\ \hline 40 \\ \hline 5\overline{1} \\ \hline 33 \\ \hline 42 \\ \hline 51 \\ \hline 60 \\ \hline = z_{2,S_{4}} \\ \hline Cm^{010}_{(0)} \\ \hline \end{array}$	37	
00 00 01 02 03 10 11 12 13 20 21 22 23 30 31 32 33	weak (444) (000) (000) (000) (000) (011) (111) (111) (222) (222) (222) (333) (333) weak (000)	4^{001} 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 2^{100} * \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	i 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 ¹¹⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	$ \begin{array}{c} $		$\begin{array}{c} Cm^{001}_{(4)} \\ \hline 44 \\ \hline 44 \\ \hline 00 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 11 \\ \hline 20 \\ \hline 3\overline{1} \\ \hline 4\overline{2} \\ \hline 22 \\ \hline 31 \\ \hline 40 \\ \hline 5\overline{1} \\ \hline 33 \\ \hline 42 \\ \hline 51 \\ \hline 60 \\ \hline = z_{2,S_4} \\ \hline Cm^{010}_{(0)} \\ \hline 2\overline{2} \\ \end{array}$	37	
$ \begin{array}{c c} 00 \\ 00 \\ 00 \\ 01 \\ 02 \\ 03 \\ 10 \\ 11 \\ 12 \\ 13 \\ 20 \\ 21 \\ 22 \\ 23 \\ 30 \\ 31 \\ 32 \\ 33 \\ \hline \mathbb{Z}_2 $	weak (444) (000) (000) (000) (000) (000) (111) (111) (111) (222) (222) (222) (333) (333) (333) weak (000) (000)	4^{001} 0 0 0 0 0 0 0 0 0 0	$2^{100}*$ 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0	i 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 ¹¹⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	$ \begin{array}{c c} \hline 4001 \\ \hline 0 \\ 0 \\ \hline 0 \\ 1 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline 0 \\ 0 \\ 1 \\ \hline 0 \\ 0 \\ 1 \\ \hline 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$		$\begin{array}{c} Cm^{001}_{(4)} \\ \hline 44 \\ \hline 44 \\ \hline 00 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 11 \\ \hline 20 \\ \hline 3\overline{1} \\ \hline 42 \\ \hline 22 \\ \hline 31 \\ \hline 40 \\ \hline 5\overline{1} \\ \hline 33 \\ \hline 42 \\ \hline 51 \\ \hline 60 \\ \hline = z_{2,S_4} \\ \hline Cm^{010}_{(0)} \\ \hline 2\overline{2} \\ \hline 2\overline{2} \\ \hline \end{array}$	37	
$ \begin{array}{c c} 00 \\ \hline 00 \\ \hline 00 \\ \hline 00 \\ \hline 01 \\ \hline 02 \\ \hline 03 \\ \hline 10 \\ \hline 11 \\ \hline 12 \\ \hline 13 \\ \hline 20 \\ \hline 21 \\ \hline 22 \\ \hline 23 \\ \hline 30 \\ \hline 31 \\ \hline 32 \\ \hline 33 \\ \hline \hline \mathbb{Z}_2 \\ \hline 0 \\ \hline \end{array} $	weak (444) (000) (000) (000) (000) (011) (111) (111) (222) (222) (222) (333) (333) weak (000)	4^{001} 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 2^{100} * \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	i 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 ¹¹⁰ * 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	$ \begin{array}{c} $		$\begin{array}{c} Cm^{001}_{(4)} \\ \hline 44 \\ \hline 44 \\ \hline 00 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 11 \\ \hline 20 \\ \hline 3\overline{1} \\ \hline 4\overline{2} \\ \hline 22 \\ \hline 31 \\ \hline 40 \\ \hline 5\overline{1} \\ \hline 33 \\ \hline 42 \\ \hline 51 \\ \hline 60 \\ \hline = z_{2,S_4} \\ \hline Cm^{010}_{(0)} \\ \hline 2\overline{2} \\ \end{array}$	37	
$ \begin{array}{c c} 00 \\ 00 \\ 00 \\ 01 \\ 02 \\ 03 \\ 10 \\ 11 \\ 12 \\ 13 \\ 20 \\ 21 \\ 22 \\ 23 \\ 30 \\ 31 \\ 32 \\ 33 \\ \hline \mathbb{Z}_2 \\ 0 \\ 0 $	weak (444) (000) (000) (000) (000) (000) (111) (111) (111) (222) (222) (222) (333) (333) (333) weak (000) (000)	4^{001} 0 0 0 0 0 0 0 0 0 0	$2^{100}*$ 0 0 0 1 0 0 0 0 0 0 0 0 0	i 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 ¹¹⁰ * 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	$ \begin{array}{c} $	$ \begin{array}{c} m_{1\bar{1}0} * \\ 0 \\ $	$\begin{array}{c} Cm^{001}_{(4)} \\ \hline 44 \\ \hline 44 \\ \hline 44 \\ \hline 00 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 11 \\ \hline 20 \\ \hline 3\overline{1} \\ \hline 4\overline{2} \\ \hline 22 \\ \hline 31 \\ \hline 40 \\ \hline 5\overline{1} \\ \hline 33 \\ \hline 42 \\ \hline 51 \\ \hline 60 \\ \hline = z_{2,S_4} \\ \hline Cm^{010}_{(0)} \\ \hline 2\overline{2} \\ \hline 2\overline{2} \\ \hline 1\overline{1} \\ \end{array}$	37	

\mathbb{Z}_8	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	4001	2110	i	2010	$-\frac{1}{4}$ 001	$Cm_{(2)}^{110}$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{100}$
0	(000)	0	0	0	0	0	0	88	88	$\frac{(2)}{88}$
0	(000)	0	0	0	0	0	0	$\overline{2}2$	$\overline{44}$	$\overline{44}$
0	(000)	0	0	0	0	0	0	$\overline{2}2$	00	$\overline{2}2$
0	(000)	0	0	0	0	0	0	$\overline{4}4$	$\overline{4}4$	$\overline{2}2$
3	(000)	1	0	0	1	0	1	11	11	$1\overline{1}$
6	(000)	0	0	0	0	0	0	$2\overline{2}$	$2\overline{2}$	$2\overline{2}$
1	(000)	1	0	0	1	0	1	33	33	33
4	(000)	0	0	0	0	0	0	$4\overline{4}$	$4\overline{4}$	$4\overline{4}$
7	(000)	1	0	0	1	0	1	$5\overline{5}$	$5\overline{5}$	$5\overline{5}$
2	(000)	0	0	0	0	0	0	$6\overline{6}$	$6\overline{6}$	$6\overline{6}$
5	(000)	1	0	0	1	0	1	$7\overline{7}$	$7\overline{7}$	$7\overline{7}$
		140.5		ncm Classi	ification =	\mathbb{Z}_M^2 X_{BS}	$S = \mathbb{Z}_4$ $SI = 2$	$z_{4m,0}^{+}$		
$\overline{\mathbb{Z}_4}$	weak	4^{001}	$2^{100}_{00\frac{1}{2}}$	i	$2^{110}_{00\frac{1}{2}}$	$\frac{M}{4^{001}}$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{110}$		
0	(000)	0	0	0	0	0	44	44		
0	(000)	0	0	0	0	0	00	$\overline{2}2$		
0	(000)	0	0	0	0	0	00	$2\overline{2}$		
3	(000)	0	0	1	0	1	$1\overline{1}$	$1\overline{1}$		
2	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}$		
1	(000)	0	0	1	0	1	$3\overline{3}$	$3\overline{3}$		
	, ,	140.5	544 14'/	mc'm Clas	sification =	$= \mathbb{Z}_{1}^2$ X_1	$_{\mathrm{BS}} = \mathbb{Z}_4$ $\mathrm{SI} =$: 2'10		
$\overline{\mathbb{Z}_4}$	weak	4 ⁰⁰¹ *	$\frac{2^{100}_{00\frac{1}{2}}*}{2^{00\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{2^{110}_{00\frac{1}{2}}}{2^{110}_{00\frac{1}{2}}}$	$\frac{1}{4^{001}}$ *	$Cm_{(2)}^{001}$	$Cm_{(2)}^{110}$		
0	(000)	0	00 ½	0	00 ½	0	$\frac{(2)}{4\overline{4}}$	$\frac{(2)}{44}$		
0	(000)	0	0	0	0	0	00	$\frac{11}{22}$		
0	(000)	0	0	0	0	0	00	$2\overline{2}$		
3	(000)	1	1	1	0	0	$\frac{\overline{11}}{1}$	11		
2	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}$		
1	(000)	1	1	1	0	0	$3\overline{3}$	$3\overline{3}$		
		140.5	545 14'/	mcm' Clas	sification =	= Z _M X ₁	$_{\mathrm{BS}} = \mathbb{Z}_4$ $\mathrm{SI} =$: z' ₁ p		
$\overline{\mathbb{Z}_4}$	weak	4 ⁰⁰¹ *	2100	i	$\frac{2^{110}_{00\frac{1}{2}}*}{2^{110}_{00\frac{1}{2}}}$	$\frac{1}{4^{001}}$ *	$g_{00\frac{1}{2}}^{110}*$	$Cm_{(2)}^{001}$		
0	(000)	0	$\frac{2_{00\frac{1}{2}}}{0}$	0	$\frac{-00\frac{1}{2}}{0}$	0	$\frac{g_{00\frac{1}{2}}}{0}$	$\frac{44}{4}$		
0	(000)	0	0	0	0	0	0	00		
3	(000)	1	0	1	1	0	0	$\frac{00}{1\overline{1}}$		
$\frac{3}{2}$	(000)	0	0	0	0	0	0	$\frac{11}{2\overline{2}}$		
1	(000)	1	0	1	1	0	0	$\frac{22}{3\overline{3}}$		
	(000)						$_{\mathrm{SS}} = \mathbb{Z}_2 \mathrm{SI} =$			
$\overline{\mathbb{Z}_2}$	weak	4001*	2100	$\frac{i \in m}{i*}$	$\frac{2^{110}_{00\frac{1}{2}}*}{2^{10}_{00\frac{1}{2}}}$	$\frac{-\omega_M}{4^{001}}$	$\frac{28S - 22 S1 - Cm_{(0)}^{110}}{Cm_{(0)}^{110}}$	$\sim 2, S_4$		
$\frac{2}{0}$	(000)	0	$\frac{2_{00\frac{1}{2}}}{0}$	0	$\frac{2_{00\frac{1}{2}}\pi}{0}$	0	$\frac{2\overline{2}}{2}$			
0	(000)	0	0	0	0	0	$\frac{22}{2\overline{2}}$			
1	(000)	1	0	0	1	1	$\frac{2\overline{2}}{1\overline{1}}$			
	(000)			Classificatio				,+ ~-		
		$\frac{140.547}{4^{001}}$				$\frac{\mathbb{Z}}{4^{001}}$	$=\mathbb{Z}_{4,4}$ SI $=z$	$\frac{24m,87}{C_{mo}}, \frac{24m,87}{001}$	•	
$\mathbb{Z}_{4,4}$	weak		$2^{100}_{00\frac{1}{2}}*$		$2^{110}_{00\frac{1}{2}}*$		$g_{00\frac{1}{2}}^{110}*$	$Cm_{(4)}^{001}$		
00	(444)	0	0	0	0	0	4	$\frac{44}{44}$		
00	(000)	0	0	0	0	0	0	$\frac{4\overline{4}}{00}$		
<u>00</u> 01	(000)	0	0	0 1	0	0	0	$\frac{00}{1\overline{1}}$		
$\frac{01}{02}$	(000)	0	0	0	0	0	0	$\frac{11}{2\overline{2}}$		
03	(000)	0	1	1	1	1	0	$\frac{22}{3\overline{3}}$		
10	$(\overline{111})$	0	1	0	1	0	$\frac{\overline{1}}{1}$	11		
11	$(\overline{111})$ $(\overline{111})$	0	0	1	0	1	$\frac{1}{1}$	20		
12	(111) (111)	0	1	0	1	0	$\frac{\overline{1}}{1}$	$\frac{2\overline{0}}{3\overline{1}}$		
13	$(\overline{111})$	0	0	1	0	1	1	$4\overline{2}$		

	(000)									
20	$(\overline{22}2)$	0	0	0	0	0	$\frac{2}{2}$	22		
21	$(\overline{22}2)$	0	1	1	1	1	$\frac{\overline{2}}{\overline{2}}$	31		
22	$(\overline{22}2)$	0	0	0	0	0	$\frac{\overline{2}}{\overline{2}}$	40		
$\frac{23}{30}$	$(\overline{22}2)$	0	1	1	1	1	$\frac{\overline{2}}{\overline{3}}$	$\frac{5\overline{1}}{33}$		
$\frac{30}{31}$	$ \begin{array}{c} (\overline{33}3) \\ (\overline{33}3) \end{array} $	0	0	0	$\frac{1}{0}$	$\frac{0}{1}$	$\frac{3}{3}$	42		
$\frac{31}{32}$	(333) (333)	0	1	0	1	0	$\frac{3}{3}$	51		
$\frac{32}{33}$	$(\overline{333})$	0	0	1	0	1	$\frac{3}{3}$	60		
	(000)									
77	weak	$\frac{140.5}{4^{001}*}$	$\frac{140 14/m}{100}$	1* CHE 118	ollon =	$\frac{= \mathbb{Z}_2 \mathbf{A}_{BS}}{\bar{4}^{001}}$	$S = \mathbb{Z}_2$ SI =	· 22,S4		
$\frac{\mathbb{Z}_2}{\mathbb{Z}_2}$			$2^{100}_{00\frac{1}{2}}*$		$2^{110}_{00\frac{1}{2}}$		$g_{00\frac{1}{2}}^{110}*$			
0	(000)	0	0	0	0	0	0			
1	(000)	1	1	0	0	1	0			
			$\frac{1}{1001} I_c 4/m$	cm Clas	sification =	\mathbb{Z}_M^2 X_{BS}	$=\mathbb{Z}_4$ SI $=$		~ 001	~ 110
\mathbb{Z}_4	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	4 ⁰⁰¹	$2^{110}*$	i	2010*	$\bar{4}^{001}$	$m_{100}*$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{110}$
0	(000)	0	0	0	0	0	0	0	$4\overline{4}$	$\frac{4\overline{4}}{\overline{3}}$
0	(000)	0	0	0	0	0	0	0	00	$\overline{22}$
0	(000)	0	0	0	0	0	0	0	00	$\frac{2\overline{2}}{1\overline{1}}$
3	(000)	1	0	1	1	1	1	0	$\frac{1\overline{1}}{2\overline{2}}$	$\frac{1\overline{1}}{2\overline{2}}$
2	(000)	0	0	0	0	0	0	0	$\frac{2\overline{2}}{3\overline{3}}$	$\frac{2\overline{2}}{2\overline{2}}$
1	(000)	1	0	1	_		1	0	აა	33
			$\frac{.551}{.000}I4_{1/6}$		ssification =	$= \mathbb{Z}_M \times_{B_2} \mathbb{X}_{B_2}$	$S = \mathbb{Z}_2 SI =$			
\mathbb{Z}_2	weak	$4^{001}_{rac{1}{4}rac{1}{4}rac{1}{4}}$	2^{100}	i	$2^{110}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}$	$\bar{4}^{001}_{rac{1}{4}rac{1}{4}rac{1}{4}}$	$g^{1\overline{1}0}_{rac{1}{4}rac{1}{4}rac{\overline{1}}{4}}$	$Cm_{(2)}^{010}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}$		
1	(000)	0	0	1	0	1	1	11		
				am'd Cla	assification =	$= \mathbb{Z}_2 X_{BS}$	$S = \mathbb{Z}_2$ $SI =$	$=z_{2P}^{\prime}$		
\mathbb{Z}_2	weak	$4^{001}_{rac{1}{4}rac{1}{4}rac{1}{4}}*$	$2^{100}*$	i	$2^{110}_{rac{1}{4}rac{1}{4}rac{1}{4}}$	$\bar{4}^{001}_{rac{1}{4}rac{1}{4}rac{1}{4}}*$	$g^{110}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}$			
0	(000)	0	0	0	0	0	0			
1	(000)	1	1	1	0	0	1			
	·	141.	555 I4' ₁ /a	amd' Cla	ssification =	$=\mathbb{Z}_M$ X_{R}	$_{\mathrm{S}}=\mathbb{Z}_{2}$ $\mathrm{SI}=$	$=z'_{2P}$		
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{rac{1}{4}rac{1}{4}rac{1}{4}}*$	2^{100}	i	$2^{110}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$\frac{-M}{\bar{4}^{001}_{\frac{1}{4}\bar{4}^{\frac{1}{4}}}}*$	$g_{rac{1}{4}rac{1}{4}rac{1}{4}}^{110}*$	$Cm_{(2)}^{010}$		
0	(000)	$\frac{-\frac{1}{4}\frac{1}{4}\frac{1}{4}}{0}$	0	0	$\frac{-\frac{1}{4}\frac{1}{4}\frac{1}{4}}{0}$	$\frac{\frac{1}{4}\frac{1}{4}\frac{1}{4}}{0}$	$\frac{3\frac{1}{4}\frac{1}{4}\frac{1}{4}}{0}$	$\frac{2\overline{2}}{2\overline{2}}$		
$\frac{0}{0}$	(000)	0	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$		
1	(000)	1	0	1	1	0	0	$\frac{22}{11}$		
	(500)				assification =		$S = \mathbb{Z}_2$ SI =			
$\overline{\mathbb{Z}_2}$	weak		$\frac{2^{100}}{2^{100}}$	i*				~2,54		
		$4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$			$2^{110}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$\bar{4}^{001}_{\frac{1}{4}\bar{1}\frac{1}{4}\frac{1}{4}}$	$g^{1\bar{1}0}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}$			
0	(000)	0	0	0	0	0	0			
1	(000)	1	0	0	1		1	,		
	,		$I4_1/am'd'$		$ation = \mathbb{Z} \times$	$\frac{\mathbb{Z}_2}{\sqrt{7001}}$ X _{BS}	$=\mathbb{Z}_{2,2}$ SI =	$= z_{2,S_4}, z'_{2P}$		
$\mathbb{Z}_{2,2}$	weak	$4^{001}_{\frac{1}{4}\frac{\overline{1}}{4}\frac{1}{4}}$	$2^{100}*$	i	$2\frac{110}{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$ar{4}^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}$	$g_{rac{1}{4}rac{1}{4}rac{1}{4}}^{1ar{1}0}*$			
00	$(\overline{444})$	$\overline{2}$	0	0	0	0	2			
00	$(44\overline{4})$	2	0	0	0	0	<u>2</u>			
01	$(22\overline{2})$	1	1	1	0	0	1			
10	$(\overline{22}2)$	1	0	0	1	1	1			
11	(000)	0	1	1	1	1	0			
		1 41 2	58 IA' / a'	md' Clas	ssification =	\mathbb{Z}_M X_{B}	$S = \mathbb{Z}_2$ SI =	$= z_{2,S_4}$		
		141.5	122				110	- 010		
\mathbb{Z}_2	weak		$\frac{2^{100}*}{2^{100}}$	i*	$2^{110}_{\frac{1}{4}\bar{\frac{1}{4}}\frac{1}{4}}$	$\bar{4}^{001}_{\frac{1}{4},\bar{\frac{1}{4}},\frac{1}{4}}$	$g_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{110}*$	$Cm_{(0)}^{010}$		
\mathbb{Z}_2	weak (000)	$ \begin{array}{r} 141.5 \\ 4_{\frac{1}{4}\bar{\frac{1}{4}}\frac{1}{4}}^{001} * \\ 0 \end{array} $	$\frac{2^{100}*}{0}$		$\begin{array}{c} 2^{110}_{\frac{1}{4}\bar{\frac{1}{4}}\frac{1}{4}} \\ 0 \end{array}$	$\frac{\bar{4}^{001}_{\frac{1}{4}\bar{1}\frac{1}{4}}}{0}$	$g_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{110} * \\ 0$	$\frac{Cm_{(0)}^{010}}{2\overline{2}}$		
		$4^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}*$	$2^{100}*$	i*	$2^{110}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}$					
0	(000)	$\begin{array}{c} 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} * \\ 0 \end{array}$	$2^{100}*$	<i>i</i> *	$\begin{array}{c} 2^{110}_{\frac{1}{4}\bar{\frac{1}{4}}\frac{1}{4}} \\ 0 \end{array}$	0	0	$2\overline{2}$		

		1 / 1	EGO I 4	/am d Cla	aaifiaatian	77 V	77 CI	2/	
$\overline{\mathbb{Z}_2}$	weak		$\frac{500}{4001}$	$\frac{7ama}{2}$ Class		$= \mathbb{Z}_{M} X_{\text{BS}} \\ 2^{010}_{\frac{1}{2}00} *$	$\frac{g = \mathbb{Z}_2}{\sqrt{1001}}$ S1	$\frac{=z_{2P}}{Cm_{(2)}^{010}}$	
		$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$2\frac{110}{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$i_{00\frac{1}{2}}*$		$\bar{4}^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}$		
0	(000)	0	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	
$\frac{0}{1}$	(000)	$\frac{0}{1}$	0	0	0	0	0	$\frac{2\overline{2}}{1\overline{1}}$	
1	(000)			1 / 1 (1)					
	1			$\frac{/acd}{i}$ Clas	sification =		$=\mathbb{Z}_2$ SI =	$=z_{2P}^{\prime}$	
\mathbb{Z}_2	weak	$4^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}$	$2^{100}_{00\frac{1}{2}}$		$2\frac{110}{\frac{1}{4}\frac{1}{4}\frac{1}{4}}$	$ar{4}^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}$	$g_{rac{1}{4}rac{1}{4}rac{1}{4}}^{110}$		
0	(000)	0	0	0	0	0	0		
1	(000)	0	0	1	0	1	1		
	1		$\frac{2.564}{2.00}$ $\frac{14_{1}}{2.00}$			$= \mathbb{Z}_2 X_{BS}$		$=z'_{2P}$	
\mathbb{Z}_2	weak	$4^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}*$	$2^{100}_{00\frac{1}{2}}*$	i	$2\frac{110}{\frac{1}{4}\frac{1}{4}\frac{1}{4}}$	$\bar{4}^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}*$	$g_{rac{1}{4}rac{1}{4}rac{1}{4}}^{110}$		
0	(000)	0	0	0	0	0	0		
1	(000)	1	1	1	0	0	1		
						$=\mathbb{Z}_2$ X_{BS}		$=z'_{2P}$	
\mathbb{Z}_2	weak	$4^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}*$	$2^{100}_{00\frac{1}{2}}$	i	$2\frac{110}{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$\bar{4}^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}*$	$g_{\frac{1}{4}\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{110}*$		
0	(000)	0	0	0	0	0	0		
1	(000)	1	0	<u> </u>	1	0	0		
					sification =	$= \mathbb{Z}_2 X_{BS} :$		$=z_{2,S_4}$	
\mathbb{Z}_2	weak	$4^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}*$	$2^{100}_{00\frac{1}{2}}$	i*	$2\frac{110}{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$\bar{4}^{001}_{\frac{1}{4}\bar{\frac{1}{4}}\frac{1}{4}}$	$g_{rac{1}{4}rac{1}{4}rac{1}{4}}^{110}$		
0	(000)	0	0	0	0	0	0		
1	(000)	1	0	0	1	1	1		
		142.567	$I4_1/ac'd'$		$tion = \mathbb{Z} \times$		$=\mathbb{Z}_{2,2}$ SI $=$	$=z_{2,S_4},z'_{2P}$	
$\mathbb{Z}_{2,2}$	weak	$4^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}$	$2^{100}_{00\frac{1}{2}}*$	i	$2\frac{110}{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$\bar{4}^{001}_{rac{1}{4}rac{1}{4}rac{1}{4}}$	$g_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{110}*$		
00	$(44\overline{4})$	2	0	0	0	0	2		
00	$(\overline{44}4)$	$\overline{\underline{2}}$	0	0	0	0	$\overline{2}$		
01	$(\overline{222})$	1	1	1	0	0	1		
10 11	$(22\overline{2})$ (000)	$\frac{1}{0}$	0	0	1 1	1 1	$\frac{1}{0}$		
	(000)								
77	weak			$\frac{a^{r}ca^{r}}{i*}$ Clas		$= \mathbb{Z}_2 X_{BS} = \overline{4001}$	$= \mathbb{Z}_2$ S1 =	$= z_{2,S_4}$	
\mathbb{Z}_2		$4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$2^{100}_{00\frac{1}{2}}*$		$2\frac{110}{\frac{1}{4}\frac{1}{4}\frac{1}{4}}$	$\bar{4}^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}$	$g_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{1\overline{1}0}*$		
$\frac{0}{1}$	(000)	0	0	0	0	0	0		
1	(000)		1			1			
$\overline{\mathbb{Z}_2}$	weak		$\frac{2.570 I_c 4_1}{4001}$	$\frac{/aca}{2^{110}}$ Clas		$= \mathbb{Z}_2 X_{\mathrm{BS}}$	$= \mathbb{Z}_2$ S1 = $\frac{1}{7001}$	$= z_{2P}^{\prime}$	
		$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$2^{110}_{\frac{\bar{1}}{4}\frac{1}{4}\frac{1}{4}}$	$i_{00\frac{1}{2}}*$	$2^{010}_{\frac{1}{2}00}$	$\bar{4}^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}$	$g_{00\frac{1}{2}}^{100}$	
$\frac{0}{1}$	(000)	0	0	0	0	0	0	0	
	(000)	1							
$\overline{\mathbb{Z}_3}$	weak	3001	143.1 P	o Classifi	$cation = \mathbb{Z}$	$X_{BS} = \mathbb{Z}_3$	$SI = z_{3C}$	7	
$\frac{2}{3}$	$(00\overline{3})$	0							
2	$(00\overline{1})$	0							
1	$(00\overline{2})$	0							
	· · · · ·	147.1	13 P3 C	lassification	$n = \mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_{0}$	$_{6,4}$ SI = z	$6C, z_{4P}$	
$\mathbb{Z}_{6,4}$	weak	3^{001}	i		-				
00	$(00\overline{6})$	0	0						
00	(000)	0	0						
02	(000)	0	1						
$\frac{50}{52}$	$\begin{array}{ c c }\hline (00\overline{1})\\\hline (00\overline{1})\\\hline \end{array}$	0	$\frac{0}{1}$						
$\frac{-32}{40}$	(001) $(00\overline{2})$	0	0						
42	(002)	0	1						

- 20	(000)	0		
30	$(00\overline{3})$	0	0	
32	$(00\overline{3})$	0	1	
20	$(00\overline{4})$	0	0	
22	$(00\overline{4})$	0	1	
10	$(00\overline{5})$	0	0	
12	$(00\overline{5})$	0	1	
	()		147 16	D 2 Classification 7 V 7 CI J
		(41001)		$P_c\bar{3}$ Classification = \mathbb{Z}_2 $X_{BS} = \mathbb{Z}_2$ $SI = z'_{2P}$
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	3^{001}	i
0	(000)	0	0	0
1	(000)	1	0	1
<u> </u>		148.1	$17 R\bar{3}$	Classification = $\mathbb{Z} \times \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_{2,4}$ $SI = z_{2P,3}, z_{4P}$
$\mathbb{Z}_{2,4}$	weak	3^{001}	i	
$\frac{-2,4}{00}$	(222)	0	0	
00	(000)	0	0	
02	(000)	0	1	
	/			
10	(111)	0	0	
12	(111)	0	1	
				$R_I \bar{3}$ Classification = \mathbb{Z}_2 $X_{BS} = \mathbb{Z}_2$ $SI = z'_{2P}$
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	3^{001}	i
0	(000)	0	0	0
1	(000)	1	0	1
	(000)		9.23 P3	
	1		$\frac{9.23 P_{3.}}{2^{120}*}$	Classification = $\mathbb{Z} \times \mathbb{Z}_2$ $A_{BS} = \mathbb{Z}_3$ $S1 = z_{3C}$
\mathbb{Z}_3	weak	3^{001}		
0	$(00\overline{3})$	0	0	
0	(000)	0	1	
2	$(00\overline{1})$	0	0	
1	$(00\overline{2})$	0	0	
		15	0.27 P32	\mathbb{Z}^{2} 1 Classification = $\mathbb{Z} \times \mathbb{Z}_{2}$ $\mathbb{X}_{BS} = \mathbb{Z}_{3}$ $SI = z_{3C}$
\mathbb{Z}_3	weak	3001	2 ¹⁰⁰ *	2 1 Ottobbilioution 2 / 22 11 _{D5} 25 01 250
$\frac{2}{0}$	(003)	0	0	
0	(000)	0	1	
	/			
1	(001)	0	0	
2	(002)	0	0	
			156.51 F	$P3m'1$ Classification = \mathbb{Z} $X_{BS} = \mathbb{Z}_3$ $SI = z_{3C}$
\mathbb{Z}_3	weak	3^{001}	$m_{\bar{2}10}*$	
0	$(00\overline{3})$	0	0	
2	$(00\overline{1})$	0	0	
1	$(00\overline{2})$	0	0	
	(502)			D91/ (1):Ct: 7// V 7// (1)
F77	1			$P31m'$ Classification = \mathbb{Z} $X_{BS} = \mathbb{Z}_3$ $SI = z_{3C}$
\mathbb{Z}_3	weak	3^{001}	$m_{010}*$	
0	$(00\overline{3})$	0	0	
2	$(00\overline{1})$	0	0	
1	$(00\overline{2})$	0	0	
			158.59	$P3c'1$ Classification = \mathbb{Z} $X_{BS} = \mathbb{Z}_3$ $SI = z_{3C}$
\mathbb{Z}_3	weak	3^{001}	$g_{00\frac{1}{2}}^{210}*$	100 0 100
0	$(00\overline{6})$	0	3	
1	$(00\overline{2})$	0	<u>1</u>	
2	$(00\overline{4})$	0	$\overline{2}$	
			159.63	$P31c'$ Classification = \mathbb{Z} $X_{BS} = \mathbb{Z}_3$ $SI = z_{3C}$
\mathbb{Z}_3	weak	3^{001}	$g_{00\frac{1}{2}}^{010}*$	20 0
	(006)	0	$\frac{g_{00\frac{1}{2}}}{3}$	
0	· /			
2	(002)	0	$\frac{1}{2}$	
1	(004)	0	2	

		16	$\overline{2.73}$ $P\bar{3}$	1m Classif	fication = \mathbb{Z}_M	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	
\mathbb{Z}_2	weak	3^{001}	2^{120}	i	$Cm_{(2)}^{100}$	B5 2	21	
0	(000)	0	0	0	$\frac{2\overline{2}}{2}$			
0	(000)	0	0	0	$2\overline{2}$			
1	(000)	0	0	1	$1\overline{1}$			
	/	162.77	$P\bar{3}1m'$	Classificati		$X_{DC} = \mathbb{Z}_{CA}$	$SI = z_{6C}, z_{4P}$	
$\mathbb{Z}_{6,4}$	weak	3001	$\frac{101n}{2^{120}}*$	$\frac{i}{i}$	OII — Z × Z2	$n_{\rm BS} = \omega_{6,4}$	z_{6C}, z_{4P}	
$\frac{226,4}{00}$	(006)	0	0	0				
00	(000)	0	0	0				
02	(000)	0	1	1				
10	(001)	0	0	0				
12	(001)	0	1	1				
20	(002)	0	0	0				
22	(002)	0	1	1				
30	(003)	0	0	0				
32	(003)	0	1	1				
40	(004)	0	0	0				
42	(004)	0	1	1				
50	(005)	0	0	0				
52	(005)	0	1	1				
		16	$2.78 P_c$ 3	31m Classi	fication = \mathbb{Z}_M	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	3001	2^{120}	i	$Cm_{(2)}^{100}$	21	
0	(000)	0	0	0	0	$\frac{(2)}{2\overline{2}}$		
0	(000)	0	0	0	0	$2\overline{2}$		
1	(000)	1	0	0	1	$1\overline{1}$		
	/	1	63.79 P	$\overline{3}1c$ Classif	$ication = \mathbb{Z}_2$	$X_{DC} = \mathbb{Z}_2$	$SI = z'_{a,p}$	
$\overline{\mathbb{Z}_2}$	weak	3001	$\frac{2^{120}_{00\frac{1}{2}}}{2^{100\frac{1}{2}}}$	$\frac{i}{i}$	10001011 222	1165 22	2P	
$\frac{-2}{0}$	(000)	0	$\frac{-00\frac{1}{2}}{0}$	0				
1	(000)	0	0	1				
	(000)			-	7777	7 77	OI /0	
	1_	$\frac{163.83}{3^{001}}$	$P\bar{3}1c'$ C		$\underline{} = \underline{\mathbb{Z}} \times \underline{\mathbb{Z}}_2$	$X_{\mathrm{BS}} = \mathbb{Z}_{3,4}$	$SI = z_{6C,\pi}/2, z_{4P}$	
$\mathbb{Z}_{3,4}$	weak		$2^{120}_{00\frac{1}{2}}*$	i				
00	$(00\overline{6})$	0	1	0				
00	(000)	0	0	0				
02	(000)	0	1	1				
$\frac{20}{22}$	$ \begin{array}{c c} (00\overline{2}) \\ (00\overline{2}) \end{array} $	0	0	0				
$\frac{22}{10}$	(002) (004)	0	0	0				
$\frac{10}{12}$	(004) (004)	0	1	1				
	(004)				C 1: 577	V ***	CT /	
	1		$\frac{63.84 P_c}{3^{001}}$	$\frac{31c}{2^{120}}$ Classi:	fication = \mathbb{Z}_2	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_2$	$51 = z'_{2P}$	
$\frac{\mathbb{Z}_2}{0}$	weak	$\{1 00\frac{1}{2}\}*$			$\frac{i}{0}$			
$\frac{0}{1}$	(000)	0	0	<u>0</u> 1	<u>0</u> 1			
	(000)					37 57	OT /	
	1	$\frac{16}{3^{001}}$	$\frac{64.85 P\bar{3}}{2^{100}}$		\mathbb{Z}_{m}	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z'_{2P}$	
\mathbb{Z}_2	weak			$\frac{i}{2}$	$Cm_{(2)}^{110}$			
0	(000)	0	0	0	$2\overline{2}$			
0	(000)	0	0	0	$\frac{2\overline{2}}{1\overline{1}}$			
1	(000)	0	0	1	11			
	-	164.89	$P\bar{3}m'1$		on = $\mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_{6,4}$	$SI = z_{6C}, z_{4P}$	
$\mathbb{Z}_{6,4}$	weak	3001	2 ¹⁰⁰ *	$\frac{i}{2}$				
00	(006)	0	0	0				
00	(000)	0	0	0				
02	(000)	0	1	1				
10	(001)	0	0	0				

12	(001)	0	1	1					
20	(002)	0	0	0					
22	(002)	0	1	1					
30	(003)	0	0	0					
32	(003)	0	1	1					
40	(004)	0	0	0					
42	(004)	0	1	1					_
50	(005)	0	0	0					
52	(005)	0	1	1					
		16	$\overline{34.90}$ P_{ϵ}	3m1 Classi	fication = \mathbb{Z}_M	$X_{BS} = \mathbb{Z}$	$_2$ SI = z'_{2P}		
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	3^{001}	2^{100}	i ($Cm_{(2)}^{110}$	21		_
0	(000)	0	0	0	0	$\frac{\sqrt{2}}{2\overline{2}}$			
0	(000)	0	0	0	0	$2\overline{2}$			
1	(000)	1	0	0	1	$1\overline{1}$			
	/		165.91 <i>I</i>	$P\bar{3}c1$ Classif	$\overline{\text{ication}} = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	SI = z'		
$\overline{\mathbb{Z}_2}$	weak	3001	$\frac{2^{100.51}_{00\frac{1}{2}}}{2^{100}_{00\frac{1}{2}}}$		$\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{$	11BS — 222	z_{2P}		
0	(000)	0	0	0					
1	(000)		0						
		165.95	$P\bar{3}c'1$		$=\mathbb{Z} imes\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_{3,4}$	$SI = z_{6C,\pi}/2,$	z_{4P}	
$\mathbb{Z}_{3,4}$	weak	3^{001}	$2^{100}_{00\frac{1}{2}}*$	i					
00	(006)	0	1	0					
00	(000)	0	0	0					
02	(000)	0	1	1					
10	(002)	0	1	0					
12	(002)	0	0	1					
20	(004)	0	0	0					
22	(004)	0	1	1					
	(001)								
	(001)		165.96 <i>F</i>	$c_c \bar{3}c1$ Classic	fication = \mathbb{Z}_2	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$		
\mathbb{Z}_2	weak				$\frac{\text{fication} = \mathbb{Z}_2}{i}$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$		
	weak (000)	1	165.96 <i>F</i>	$c_c \bar{3}c1$ Classic		$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$		
\mathbb{Z}_2	weak	$\{1 00\frac{1}{2}\}*$	$\frac{165.96}{3^{001}}$	$\frac{C_c \overline{3}c1}{2^{100}}$ Classic	i	$X_{BS} = \mathbb{Z}_2$	$\mathrm{SI}=z_{2P}^{\prime}$		
\mathbb{Z}_2	weak (000)	$ \begin{array}{c} 1 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} 165.96 & F \\ \hline 3^{001} \\ \hline 0 \\ 0 \end{array} $	$\frac{C_c \overline{3}c1}{2^{100}*}$ Classi: 0	<i>i</i> 0 1				
$ \begin{array}{c} \mathbb{Z}_2 \\ 0 \\ 1 \end{array} $	weak (000)	$ \begin{array}{c} 1 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} 165.96 & F \\ \hline 3^{001} \\ \hline 0 \\ 0 \end{array} $	$\frac{C_c \overline{3}c1}{2^{100}*}$ Classi: 0	$ \begin{array}{c} i \\ 0 \\ 1 \\ \hline \text{cation} = \mathbb{Z}_M \end{array} $				
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \end{array} $ $ \mathbb{Z}_2$	weak (000) (000) weak	$ \begin{array}{c} 1 \\ \{1 00\frac{1}{2}\}*\\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 3^{001} \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{P_c \bar{3}c1}{2^{100}*}$ Classifi $\frac{0}{1}$ Classifi i	i 0 1 $cation = \mathbb{Z}_M$ $Cm_{(2)}^{210}$				
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline \mathbb{Z}_2 \\ 0 \end{array} $	weak (000) (000) weak (000)	$ \begin{array}{c} 1 \\ \{1 00\frac{1}{2}\}*\\ 0 \\ 1 \\ 3^{001}\\ 0 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c} \hline P_c \overline{3}c1 & \text{Classif} \\ \hline 2^{100}* & \\ \hline 0 & \\ \hline 1 & \\ \hline R \overline{3}m & \text{Classiff} \\ \hline i & \\ \hline 0 & \\ \end{array} $	$ \begin{array}{c} i \\ 0 \\ 1 \\ \hline \text{cation} = \mathbb{Z}_M \\ Cm_{(2)}^{210} \\ \hline 2\overline{2} \end{array} $				
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \end{array} $ $ \mathbb{Z}_2$	weak (000) (000) weak	$ \begin{array}{c} 1 \\ \{1 00\frac{1}{2}\}*\\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 3^{001} \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{P_c \bar{3}c1}{2^{100}*}$ Classifi $\frac{0}{1}$ Classifi i	i 0 1 $cation = \mathbb{Z}_M$ $Cm_{(2)}^{210}$				
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline \mathbb{Z}_2 \\ 0 \end{array} $	weak (000) (000) weak (000) (000)	$ \begin{array}{c} 1 \\ \{1 00\frac{1}{2}\}*\\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 3^{001}\\ 0 \\ 0 \end{array} $	$ \begin{array}{c cccc} & & & & & & & & \\ \hline & & & & & & & \\ & & & & & & & \\ & & & &$	$ \begin{array}{c c} \hline{P_c \overline{3}c1} & \text{Classif} \\ \hline 2^{100} * \\ \hline 0 \\ \hline 1 \\ \hline \hline 8 \overline{3}m & \text{Classifi} \\ \hline 0 \\ 0 \\ \hline 1 \end{array} $	i 0 1 $cation = \mathbb{Z}_{M}$ $Cm_{(2)}^{210}$ $2\overline{2}$ $2\overline{2}$ $1\overline{1}$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	740	
	weak (000) (000) (000) (000) (000)	$ \begin{array}{c} 1 \\ \{1 00\frac{1}{2}\}*\\ 0 \\ 1 \\ 1 \\ 3^{001}\\ 0 \\ 0 \\ 0 \\ 166.101 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{P_c \overline{3}c1}{2^{100}*}$ Classifi $\frac{1}{i}$ Classification Class	i 0 1 $cation = \mathbb{Z}_{M}$ $Cm_{(2)}^{210}$ $2\overline{2}$ $2\overline{2}$ $1\overline{1}$	$X_{BS} = \mathbb{Z}_2$		z_{4P}	
	weak (000) (000) weak (000) (000) (000) weak	$ \begin{array}{c} 1 \\ \{1 00\frac{1}{2}\}*\\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 3^{001} \\ 0 \\ 0 \\ 0 \\ 166.101 \\ 3^{001} \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{P_c \bar{3}c1}{2^{100}*}$ Classified $\frac{1}{i}$ Classified $\frac{1}{i}$ Classification $\frac{1}{i}$ Cl	i 0 1 $cation = \mathbb{Z}_{M}$ $Cm_{(2)}^{210}$ $2\overline{2}$ $2\overline{2}$ $1\overline{1}$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	z_{4P}	
	weak (000) (000) (000) (000) (000) (222)	$ \begin{array}{c} 1 \\ \{1 00\frac{1}{2}\}*\\ 0 \\ 1 \\ 1 \\ 3^{001} \\ 0 \\ 0 \\ 0 \\ 166.101 \\ 3^{001} \\ 0 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{P_c \overline{3}c1}{2^{100}*}$ Classifi $\frac{R\overline{3}m}{0}$ Classifi $\frac{0}{0}$ Classification $\frac{1}{1}$ Classification $\frac{1}{1}$ Classification $\frac{1}{0}$ C	i 0 1 $cation = \mathbb{Z}_{M}$ $Cm_{(2)}^{210}$ $2\overline{2}$ $2\overline{2}$ $1\overline{1}$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	z_{4P}	
	weak (000) (000) (000) (000) (000) (222) (000)	$ \begin{array}{c} 1 \\ \{1 00\frac{1}{2}\}*\\ 0 \\ 1 \\ 3^{001} \\ 0 \\ 0 \\ 166.101\\ 3^{001} \\ 0 \\ 0 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$P_c\overline{3}c1$ Classified $2^{100}*$ 0 1 $R\overline{3}m$ Classified 0 0 1 Classification i i 0 0 0 0 0 0 0 0 0	i 0 1 $cation = \mathbb{Z}_{M}$ $Cm_{(2)}^{210}$ $2\overline{2}$ $2\overline{2}$ $1\overline{1}$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	z_{4P}	
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \\ \mathbb{Z}_{2,4} \\ 00 \\ 00 \\ 00 \\ 02 \end{array} $	weak (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c} 1 \\ \{1 00\frac{1}{2}\}*\\ 0 \\ 1 \\ 1 \\ 3^{001}\\ 0 \\ 0 \\ 0 \\ 166.101\\ 3^{001}\\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{P_c \bar{3}c1}{2^{100}*}$ Classifi $\frac{1}{2^{\bar{3}m}}$ Classifi $\frac{i}{0}$ 0 1 Classification $\frac{i}{0}$ 0 1	i 0 1 $cation = \mathbb{Z}_{M}$ $Cm_{(2)}^{210}$ $2\overline{2}$ $2\overline{2}$ $1\overline{1}$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	z_{4P}	
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \\ \mathbb{Z}_{2,4} \\ 00 \\ 00 \\ 00 \\ 02 \\ 10 \end{array} $	weak (000) (000) (000) (000) (000) (000) (000) (000) (111)	$ \begin{array}{c} 1 \\ 1 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 0 \\ 1 \\ 3^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$P_c\overline{3}c1$ Classified $2^{100}*$ 0 1 $R\overline{3}m$ Classified 0 0 1 Classification i i 0 0 0 0 0 0 0 0 0	i 0 1 $cation = \mathbb{Z}_{M}$ $Cm_{(2)}^{210}$ $2\overline{2}$ $2\overline{2}$ $1\overline{1}$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	z_{4P}	
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \\ \mathbb{Z}_{2,4} \\ 00 \\ 00 \\ 00 \\ 02 \end{array} $	weak (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c} 1 \\ 1 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 0 \\ 1 \\ 3^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c} $	i 0 1 $\cot ion = \mathbb{Z}_M$ $Cm_{(2)}^{210}$ $2\overline{2}$ $2\overline{2}$ $1\overline{1}$ $on = \mathbb{Z} \times \mathbb{Z}_2$	$X_{ m BS}=\mathbb{Z}_2$ $X_{ m BS}=\mathbb{Z}_{2,4}$	$SI = z'_{2P}$ $SI = z_{2P,3},$	z_{4P}	
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \end{array} $ $ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \\ \end{array} $ $ \begin{array}{c c} \mathbb{Z}_{2,4} \\ 00 \\ 00 \\ 00 \\ 02 \\ 10 \\ 12 \\ \end{array} $	weak (000) (000) weak (000) (000) (000) weak (222) (000) (000) (111) (111)	$ \begin{array}{c} 1 \\ $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$P_c \overline{3}c1$ Classification $\overline{1}$ Classifi	i 0 1 $\cot ion = \mathbb{Z}_{M}$ $Cm_{(2)}^{210}$ $2\overline{2}$ $2\overline{2}$ $1\overline{1}$ $on = \mathbb{Z} \times \mathbb{Z}_{2}$ $fication = \mathbb{Z}_{M}$	$X_{ m BS}=\mathbb{Z}_2$ $X_{ m BS}=\mathbb{Z}_{2,4}$ $X_{ m BS}=\mathbb{Z}$	$SI = z'_{2P}$ $SI = z_{2P,3},$	z_{4P}	
	weak (000) (000) weak (000) (000) (000) weak (222) (000) (111) (111) weak	$ \begin{array}{c} 1 \\ 1 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 0 \\ 1 \\ 3^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 166.101 \\ 3^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 16 \\ 16 \\ 16 \\ 16 \\ 16 \\ 16 \\ 16 \\ 16$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$P_c \overline{3}c1$ Classification $\overline{2}^{100}*$ $\overline{0}$ $\overline{1}$ $R \overline{3}m$ Classification \overline{i} 0 0 1 Classification \overline{i} 0 0 1 0 0	i 0 1 $\cot ion = \mathbb{Z}_{M}$ $Cm_{(2)}^{210}$ $2\overline{2}$ $2\overline{2}$ $1\overline{1}$ $on = \mathbb{Z} \times \mathbb{Z}_{2}$ $fication = \mathbb{Z}_{M}$	$X_{ m BS}=\mathbb{Z}_2$ $X_{ m BS}=\mathbb{Z}_{2,4}$ $X_{ m BS}=\mathbb{Z}$	$SI = z'_{2P}$ $SI = z_{2P,3},$	z ₄ P	
	weak (000) (000) weak (000) (000) weak (222) (000) (111) (111) weak (000)	$ \begin{array}{c} 1 \\ 1 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 0 \\ 1 \\ 3^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 166.101 \\ 3^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 16 \\ 11 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ $	$ \begin{array}{c c} \hline $		i 0 1 $\cot ion = \mathbb{Z}_{M}$ $Cm_{(2)}^{210}$ $2\overline{2}$ $2\overline{2}$ $1\overline{1}$ $on = \mathbb{Z} \times \mathbb{Z}_{2}$ $fication = \mathbb{Z}_{M}$ i 0	$X_{\mathrm{BS}} = \mathbb{Z}_2$ $X_{\mathrm{BS}} = \mathbb{Z}_{2,4}$ $X_{\mathrm{BS}} = \mathbb{Z}_{2,4}$ $X_{\mathrm{BS}} = \mathbb{Z}_{2,4}$ $X_{\mathrm{BS}} = \mathbb{Z}_{2,4}$	$SI = z'_{2P}$ $SI = z_{2P,3},$	z ₄ P	
	weak (000) (000) weak (000) (000) weak (222) (000) (111) (111) weak (000) (000)	$ \begin{array}{c} 1 \\ 1 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 0 \\ 1 \\ 3^{001} \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 166.101 \\ 3^{001} \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $ $ \begin{array}{c} 1 \\ 1 \\ 1 \\ 2 \\ 1 \\ 2 \\ 1 \\ 2 \\ 3 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c} $	i 0 1 $\cot i = \mathbb{Z}_{M}$ $Cm_{(2)}^{210}$ $2\overline{2}$ $2\overline{2}$ $1\overline{1}$ $on = \mathbb{Z} \times \mathbb{Z}_{2}$ $fication = \mathbb{Z}_{M}$ i 0 0	$X_{\mathrm{BS}} = \mathbb{Z}_2$ $X_{\mathrm{BS}} = \mathbb{Z}_{2,4}$ $X_{\mathrm{BS}} = \mathbb{Z}_{2,4}$ $Cm^{210}_{(2)}$ $\overline{22}$	$SI = z'_{2P}$ $SI = z_{2P,3},$	z_{4P}	
	weak (000) (000) weak (000) (000) weak (222) (000) (111) (111) weak (000)	$ \begin{array}{c} 1 \\ 1 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 0 \\ 1 \\ 3^{001} \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c} P_c \overline{3}c1 & \text{Classif} \\ \hline & 2^{100}* \\ \hline & 0 \\ \hline & 1 \\ \hline \hline & R \overline{3}m & \text{Classifi} \\ \hline & 0 \\ \hline & 0 \\ \hline & 1 \\ \hline \hline & Classification \\ \hline & i \\ \hline & 0 \\ \hline & 0 \\ \hline & 1 \\ \hline \hline & 0 \\ \hline & 0 \\ \hline & 1 \\ \hline \hline & 0 \\ \hline & 0 \\ \hline & 0 \\ \hline & 0 \\ \hline \hline \hline \hline & 0 \\ \hline \hline \hline \hline & 0 \\ \hline \hline \hline \hline \hline $	i 0 1 $cation = \mathbb{Z}_{M}$ $Cm_{(2)}^{210}$ $2\overline{2}$ $2\overline{2}$ $1\overline{1}$ $on = \mathbb{Z} \times \mathbb{Z}_{2}$ $fication = \mathbb{Z}_{M}$ i 0 0 1	$X_{\mathrm{BS}} = \mathbb{Z}_2$ $X_{\mathrm{BS}} = \mathbb{Z}_{2,4}$ $X_{\mathrm{BS}} = \mathbb{Z}_{2,4}$ $Cm_{(2)}^{210}$ $\overline{22}$ $\overline{22}$ $\overline{11}$	$SI = z'_{2P}$ $SI = z_{2P,3},$ $2 SI = z'_{2P}$	z _{4P}	
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \end{array} $ $ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \\ \end{array} $ $ \begin{array}{c c} \mathbb{Z}_{2,4} \\ 00 \\ 00 \\ 02 \\ 10 \\ 12 \\ \end{array} $ $ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \\ \end{array} $	weak (000) (000) weak (000) (000) weak (222) (000) (111) (111) weak (000) (000)	$ \begin{array}{c} 1 \\ 1 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 0 \\ 1 \\ 3^{001} \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 166.101 \\ 3^{001} \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 161 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ $	$ \begin{array}{c c} \hline $	$rac{2 \cdot 3c1}{2^{100} *}$ Classification $rac{1}{2^{100} *}$ Classification $rac{1}{2^{100}}$ Clas	i 0 1 $\cot i = \mathbb{Z}_{M}$ $Cm_{(2)}^{210}$ $2\overline{2}$ $2\overline{2}$ $1\overline{1}$ $on = \mathbb{Z} \times \mathbb{Z}_{2}$ $fication = \mathbb{Z}_{M}$ i 0 0	$X_{\mathrm{BS}} = \mathbb{Z}_2$ $X_{\mathrm{BS}} = \mathbb{Z}_{2,4}$ $X_{\mathrm{BS}} = \mathbb{Z}_{2,4}$ $Cm_{(2)}^{210}$ $\overline{22}$ $\overline{22}$ $\overline{11}$	$SI = z'_{2P}$ $SI = z_{2P,3},$ $2 SI = z'_{2P}$	z ₄ P	
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \end{array} $ $ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \\ \end{array} $ $ \begin{array}{c c} \mathbb{Z}_{2,4} \\ 00 \\ 00 \\ 02 \\ 10 \\ 12 \\ \end{array} $ $ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \\ \end{array} $ $ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \\ \end{array} $	weak (000) (000) weak (000) (000) weak (222) (000) (111) (111) weak (000) (000) (000)	$ \begin{array}{c} 1 \\ $	$\begin{array}{c c} 165.96 & F \\ \hline 3^{001} \\ \hline 0 \\ \hline 1 \\ \hline R3m' \\ \hline 2^{100} * \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ 0 \\$	$rac{P_c ar{3}c1}{2^{100}*}$ Classification $rac{c}{1}$ Classification r	i 0 1 $cation = \mathbb{Z}_{M}$ $Cm_{(2)}^{210}$ $2\overline{2}$ $2\overline{2}$ $1\overline{1}$ $on = \mathbb{Z} \times \mathbb{Z}_{2}$ $fication = \mathbb{Z}_{M}$ i 0 0 1	$X_{\mathrm{BS}} = \mathbb{Z}_2$ $X_{\mathrm{BS}} = \mathbb{Z}_{2,4}$ $X_{\mathrm{BS}} = \mathbb{Z}_{2,4}$ $Cm^{210}_{(2)}$ $\overline{22}$ $\overline{22}$ $\overline{11}$	$SI = z'_{2P}$ $SI = z_{2P,3},$ $2 SI = z'_{2P}$	z ₄ P	
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \end{array} $ $ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \\ \end{array} $ $ \begin{array}{c c} \mathbb{Z}_{2,4} \\ 00 \\ 00 \\ 02 \\ 10 \\ 12 \\ \end{array} $ $ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \\ \end{array} $	weak (000) (000) weak (000) (000) weak (222) (000) (111) (111) weak (000) (000)	$ \begin{array}{c} 1 \\ 1 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 0 \\ 1 \\ 3^{001} \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 166.101 \\ 3^{001} \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 161 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ $	$ \begin{array}{c c} \hline $	$rac{2 \cdot 3c1}{2^{100} *}$ Classification $rac{1}{2^{100} *}$ Classification $rac{1}{2^{100}}$ Clas	i 0 1 $cation = \mathbb{Z}_{M}$ $Cm_{(2)}^{210}$ $2\overline{2}$ $2\overline{2}$ $1\overline{1}$ $on = \mathbb{Z} \times \mathbb{Z}_{2}$ $fication = \mathbb{Z}_{M}$ i 0 0 1	$X_{\mathrm{BS}} = \mathbb{Z}_2$ $X_{\mathrm{BS}} = \mathbb{Z}_{2,4}$ $X_{\mathrm{BS}} = \mathbb{Z}_{2,4}$ $Cm^{210}_{(2)}$ $\overline{22}$ $\overline{22}$ $\overline{11}$	$SI = z'_{2P}$ $SI = z_{2P,3},$ $2 SI = z'_{2P}$	z _{4P}	

		1,	67 107 D	0-/ C1:C	+: 77 77	v	7 CI	
777	1	$\frac{10}{3^{001}}$			$cation = \mathbb{Z} \times \mathbb{Z}$	$\Lambda_{\rm BS} = \Lambda_{\rm BS}$	$z_4 ext{S1} = z_{4P}$	
\mathbb{Z}_4	weak		$2^{100}_{00\frac{1}{2}}*$	i				
0	(000)	0	0	0				
0	(222)	0	1	0				
2	(000)	0	1	1				
				$R_I \bar{3}c$ Class	ification = \mathbb{Z}_2	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}$	* 3001	$2^{100}*$	i			_
0	(000)	0	0	0	0			
1	(000)	1	0	1	1			
			168.109	P6 Classi	fication $= \mathbb{Z}$	$X_{BS} = \mathbb{Z}_6$	$SI = z_{6C}$	
\mathbb{Z}_6	weak	6^{001}						
0	$(00\overline{6})$	0						
5	$(00\overline{1})$	0						
4	$(00\overline{2})$	0						
3	$(00\overline{3})$	0						
2	$(00\overline{4})$	0						
1	$(00\overline{5})$	0						
-			171.121	P6 ₂ Class	ification $= \mathbb{Z}$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2C}$	
\mathbb{Z}_2	weak	$6^{001}_{00\frac{1}{3}}$						
0	$(00\overline{6})$	$\frac{\overline{00}_{\overline{3}}}{\overline{2}}$						
1	$(00\overline{3})$	1						
			172.125	P6 ₄ Class	ification = \mathbb{Z}	$X_{BS} = \mathbb{Z}_0$	$SI = z_{2C}$	
\mathbb{Z}_2	weak	$6^{001}_{00\frac{2}{3}}$	112.120	1 04 01000	1110001011 22	1105 22	51 ~20	
0	$(00\overline{6})$	$\frac{\frac{300\frac{2}{3}}{\overline{4}}}{\overline{4}}$						
1	$(00\overline{3})$	$\frac{4}{2}$						
1	(000)		179 100	DC CI	·C 1: 77	V 77	CI	
77	***** 1.	c001	173.129	Po ₃ Class	ification = \mathbb{Z}	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_3$	$S1 = z_{3C}$	
\mathbb{Z}_3	weak	$6^{001}_{00\frac{1}{2}}$						
0	$(00\overline{6})$	3						
$\frac{1}{2}$	$(00\overline{2})$	$\frac{1}{2}$						
2	$(00\overline{4})$				-0.			
		174.133	P6 Class:	ification $= \mathbb{Z}$	$\mathbb{Z}_M^2 \times \mathbb{Z} = X_{BS}$	$= \mathbb{Z}_{3,3,3}$ S1	$z = z_{3m,0}^+, z_{3m,0}^-, z_{3m,0}^-$	m,π
$\mathbb{Z}_{3,3,3}$	weak	$\bar{6}^{001}$	$Cm_{(3)}^{001}$					
000	$(00\overline{6})$	1	$3\overline{9}0\overline{6}$					
000	(003)	1	0303					
000	(000)	1	$003\overline{3}$					
000	(000)	1	$00\overline{3}3$					
001	(000)	1	0011					
002	(000)	0	$002\overline{2}$ 0101					
010	(001)	0	0101					
$\frac{011}{012}$	(001)	1	$0110 \\ \hline 012\overline{1}$					
$\frac{012}{020}$	(001)	0	0202					
$\frac{020}{021}$	(002)	1	0202					
$\frac{021}{022}$	(002)	0	0220					
100	(002)	1	$\frac{0220}{1\overline{3}0\overline{2}}$					
101	$(00\overline{2})$	0	$\frac{1\overline{3}0\overline{2}}{1\overline{3}1\overline{3}}$					
102	$(00\overline{2})$	1	$\frac{1\overline{3}2\overline{4}}{1\overline{3}2\overline{4}}$					
110	$(00\overline{1})$	0	$\frac{1\overline{201}}{1\overline{201}}$					
111	$(00\overline{1})$	1	$\frac{1\overline{2}1\overline{2}}{1}$					
112	$(00\overline{1})$	0	$1\overline{2}2\overline{3}$					
120	(000)	1	$1\overline{1}00$					
121	(000)	0	1111					
122	(000)	1	$1\overline{1}2\overline{2}$					
	/							

200	$(00\overline{4})$	0	$2\overline{6}0\overline{4}$									
201	$(00\overline{4})$	1	$2\overline{6}1\overline{5}$									
202	$(00\overline{4})$	0	$2\overline{6}2\overline{6}$									
210	$(00\overline{3})$	1	$2\overline{5}0\overline{3}$									
211	$(00\overline{3})$	0	$2\overline{5}1\overline{4}$									
212	$(00\overline{3})$	1	$2\overline{5}2\overline{5}$									
220	$(00\overline{2})$	0	$2\overline{4}0\overline{2}$									
221	$(00\overline{2})$	1	$2\overline{4}1\overline{3}$									
222	$(00\overline{2})$	0	$\frac{2\overline{4}2\overline{4}}{2\overline{4}}$									
	(**=)			Dē Classifi	ostion 7	,	v	77 0	т <u>.</u> .+			
	1	(1100]	$\frac{174.130}{6}$	$P_c\bar{6}$ Classified	cation = \mathbb{Z}	M	$\Lambda_{\rm BS} =$	<u>∠</u> 3 ≿	$z_{3m} = z_{3m}$,0		
\mathbb{Z}_3	weak	$\{1 00\frac{1}{2}$,	$Cm_{(3)}^{001}$								
0	(000)	1	1	3300								
0	(000)	0	0	0000								
1	(000)	1	1	$1\overline{1}00$								
2	(000)	0	0	$2\overline{2}00$								
		175.137	P6/m Cla	assification = $Cm_{(6)}^{001}$	$\mathbb{Z}_M^2 \times \mathbb{Z}$	X_{BS}	$S = \mathbb{Z}_{6,6}$,6 SI	$=z_{6m,0}^{+}$	$z_{6m,0}^{-}, z_{6m,0}^{-}, z_{6m,0}^{-}$	$z_{6m,\pi}^+$	
$\mathbb{Z}_{6,6,6}$	weak	6^{001}	i	$Cm_{(6)}^{001}$								
000	$(00\overline{30})$	0	0	$6, \overline{36}, 0, \overline{30}$								
000	(006)	0	0	0606								
000	(000)	0	0	$006\overline{6}$								
000	(000)	0	0	$00\overline{6}6$								
001	(000)	0	1	$001\overline{1}$								
002	(000)	0	0	$002\overline{2}$								
003	(000)	0	1	$003\bar{3}$								
004	(000)	0	0	$004\overline{4}$								
005	(000)	0	1	$005\overline{5}$								
010	(001)	0	1	0101								
011	(001)	0	0	0110								
012	(001)	0	1	$012\overline{1}$								
013	(001)	0	0	$013\overline{2}$								
014	(001)	0	1	$014\overline{3}$								
015	(001)	0	0	$015\overline{4}$								
020	(002)	0	0	0202								
021	(002)	0	1	0211								
022	(002)	0	0	0220								
023	(002)	0	1	$023\overline{1}$								
024	(002)	0	0	$\overline{024\overline{2}}$								
025	(002)	0	1	$025\overline{3}$								
030	(003)	0	1	0303								
031	(003)	0	0	0312								
032	(003)	0	1	0321								
033	(003)	0	0	0330								
034	(003)	0	1	$\frac{034\overline{1}}{034\overline{1}}$								
035	(003)	0	0	$\frac{031\overline{2}}{035\overline{2}}$								
040	(004)	0	0	0404								
041	(004)	0	1	0413								
042	(004)	0	0	0422								
043	(004)	0	1	0431								
044	(004)	0	0	0440								
045	(004)	0	1	$045\overline{1}$								
050	(005)	0	1	0505								
$\frac{-050}{051}$	(005)	0	0	0514								
$\frac{-051}{052}$	(005)	0	1	0523								
$\frac{-052}{053}$	(005)	0	0	$\frac{0523}{0532}$								
	(000)	- 0	U	0002								

054	(005)	0	1	0541	
055	(005)	0	0	0550	
100	$(00\overline{5})$	0	0	$1\overline{6}0\overline{5}$	
101	$(00\overline{5})$	0	1	$1\overline{6}1\overline{6}$	
102	$(00\overline{5})$	0	0	$1\overline{6}2\overline{7}$	
103	$(00\overline{5})$	0	1	$1\overline{6}3\overline{8}$	
104	$(00\overline{5})$	0	0	$1\overline{6}4\overline{9}$	
105	(005)	0	1	$1,\overline{6},5,\overline{10}$	
110	$(00\overline{4})$	0	1	$\frac{1,0,0,10}{1504}$	
111	(004) (004)	0	0	$\frac{1504}{1\overline{5}1\overline{5}}$	
1112	\ /			$\frac{1515}{1\overline{5}2\overline{6}}$	
	$(00\overline{4})$	0	1		
113	$(00\overline{4})$	0	0	$1\overline{5}3\overline{7}$	
114	$(00\overline{4})$	0	1	$1\overline{5}4\overline{8}$	
115	$(00\overline{4})$	0	0	$1\overline{5}5\overline{9}$	
120	$(00\overline{3})$	0	0	$1\overline{4}0\overline{3}$	
121	$(00\overline{3})$	0	1	$1\overline{4}1\overline{4}$	
122	$(00\overline{3})$	0	0	$1\overline{4}2\overline{5}$	
123	$(00\overline{3})$	0	1	$1\overline{4}3\overline{6}$	
124	$(00\overline{3})$	0	0	$1\overline{4}4\overline{7}$	
125	$(00\overline{3})$	0	1	$1\overline{4}5\overline{8}$	
130	$(00\overline{2})$	0	1	$1\overline{3}0\overline{2}$	
131	$(00\overline{2})$	0	0	$1\overline{3}1\overline{3}$	
132	$(00\overline{2})$	0	1	$1\overline{3}2\overline{4}$	
133	$(00\overline{2})$	0	0	$\frac{1\overline{3}\overline{3}\overline{5}}{1\overline{3}\overline{3}\overline{5}}$	
134	$(00\overline{2})$	0	1	$\frac{1335}{1\overline{3}4\overline{6}}$	
135	(002) $(00\overline{2})$			$\frac{1340}{1\overline{3}5\overline{7}}$	
	\ /	0	0		
140	$(00\overline{1})$	0	0	$1\overline{2}0\overline{1}$	
141	$(00\overline{1})$	0	1	$1\overline{2}1\overline{2}$	
142	$(00\overline{1})$	0	0	$1\overline{2}2\overline{3}$	
143	$(00\overline{1})$	0	1	$1\overline{2}3\overline{4}$	
144	$(00\overline{1})$	0	0	$1\overline{2}4\overline{5}$	
145	$(00\overline{1})$	0	1	$1\overline{2}5\overline{6}$	
150	(000)	0	1	$1\overline{1}00$	
151	(000)	0	0	$1\overline{1}1\overline{1}$	
152	(000)	0	1	$1\overline{1}2\overline{2}$	
153	(000)	0	0	$1\overline{1}3\overline{3}$	
154	(000)	0	1	$1\overline{1}4\overline{4}$	
155	(000)	0	0	$1\overline{1}5\overline{5}$	
200	$(00\overline{10})$	0	0	$2, \overline{12}, 0, \overline{10}$	
201	$(00\overline{10})$	0	1	$\frac{2,12,0,10}{2,\overline{12},1,\overline{11}}$	
202	$(00\overline{10})$	0	0	$\frac{2,12,1,11}{2,\overline{12},2,\overline{12}}$	
203	$(00\overline{10})$	0	1	$\frac{2,12,2,12}{2,\overline{12},3,\overline{13}}$	
$\frac{203}{204}$	$(00\overline{10})$			$\frac{2,12,3,13}{2,\overline{12},4,\overline{14}}$	
		0	0		
205	$(00\overline{10})$	0	1	$2, \overline{12}, 5, \overline{15}$	
210	$(00\overline{9})$	0	1	$2,\overline{11},0,\overline{9}$	
211	$(00\overline{9})$	0	0	$2,\overline{11},1,\overline{10}$	
212	$(00\overline{9})$	0	1	$2, \overline{11}, 2, \overline{11}$	
213	$(00\overline{9})$	0	0	$2, \overline{11}, 3, \overline{12}$	
214	$(00\overline{9})$	0	1	$2,\overline{11},4,\overline{13}$	
215	$(00\overline{9})$	0	0	$2, \overline{11}, 5, \overline{14}$	
220	$(00\overline{8})$	0	0	$2,\overline{10},0,\overline{8}$	
221	$(00\overline{8})$	0	1	$2, \overline{10}, 1, \overline{9}$	
222	(008)	0	0	$2, \overline{10}, 2, \overline{10}$	
223	(008)	0	1	$\frac{2,10,2,10}{2,\overline{10},3,\overline{11}}$	
224	(008)	0	0	$\frac{2,10,0,11}{2,\overline{10},4,\overline{12}}$	
	(000)	U	<u> </u>	2, 10, 4, 12	

225	(008)	0	1	$2, \overline{10}, 5, \overline{13}$
$\frac{223}{230}$	(008) (007)	0	1	$\frac{2,10,5,15}{2\overline{9}0\overline{7}}$
$\frac{230}{231}$	(007) (007)	0	$\frac{1}{0}$	$\frac{2907}{2\overline{9}1\overline{8}}$
$\frac{231}{232}$	(007) (007)	0	1	$\frac{2918}{2929}$
$\frac{232}{233}$	(007) (007)	0	0	$\frac{2929}{2, \overline{9}, 3, \overline{10}}$
$\frac{235}{234}$	/			
	$(00\overline{7})$	0	1	$\frac{2,\overline{9},4,\overline{11}}{2,\overline{9},\overline{12}}$
235	$(00\overline{7})$	0	0	$2, \overline{9}, 5, \overline{12}$
240	$(00\overline{6})$	0	0	$\frac{2\overline{8}0\overline{6}}{2\overline{6}1\overline{7}}$
241	$(00\overline{6})$	0	1	$2\overline{8}1\overline{7}$
242	$(00\overline{6})$	0	0	$2\overline{8}2\overline{8}$
243	$(00\overline{6})$	0	1	$2\overline{8}3\overline{9}$
244	$(00\overline{6})$	0	0	$2, \overline{8}, 4, \overline{10}$
245	$(00\overline{6})$	0	1	$2, \overline{8}, 5, \overline{11}$
250	$(00\overline{5})$	0	1	$2\overline{7}0\overline{5}$
251	$(00\overline{5})$	0	0	$2\overline{7}1\overline{6}$
252	$(00\overline{5})$	0	1	$2\overline{7}2\overline{7}$
253	$(00\overline{5})$	0	0	$2\overline{7}3\overline{8}$
254	$(00\overline{5})$	0	1	2 7 4 9
255	$(00\overline{5})$	0	0	$2, \overline{7}, 5, \overline{10}$
300	$(00\overline{15})$	0	0	$3, \overline{18}, 0, \overline{15}$
301	$(00\overline{15})$	0	1	$3, \overline{18}, 1, \overline{16}$
302	$(00\overline{15})$	0	0	$3, \overline{18}, 2, \overline{17}$
303	$(00\overline{15})$	0	1	$3, \overline{18}, 3, \overline{18}$
304	$(00\overline{15})$	0	0	$3, \overline{18}, 4, \overline{19}$
305	$(00\overline{15})$	0	1	$3, \overline{18}, 5, \overline{20}$
310	$(00\overline{14})$	0	1	$3, \overline{17}, 0, \overline{14}$
311	$(00\overline{14})$	0	0	$3, \overline{17}, 1, \overline{15}$
312	$(00\overline{14})$	0	1	$3, \overline{17}, 2, \overline{16}$
313	$(00\overline{14})$	0	0	$3, \overline{17}, 3, \overline{17}$
314	$(00\overline{14})$	0	1	$3, \overline{17}, 4, \overline{18}$
315	$(00\overline{14})$	0	0	$3, \overline{17}, 5, \overline{19}$
320	$(00\overline{13})$	0	0	$3, \overline{16}, 0, \overline{13}$
321	$(00\overline{13})$	0	1	$3, \overline{16}, 1, \overline{14}$
322	$(00\overline{13})$	0	0	$3, \overline{16}, 2, \overline{15}$
323	$(00\overline{13})$	0	1	$3, \overline{16}, 3, \overline{16}$
324	$(00\overline{13})$	0	0	$3, \overline{16}, 4, \overline{17}$
325	$(00\overline{13})$	0	1	$3, \overline{16}, 5, \overline{18}$
330	$(00\overline{12})$	0	1	$3, \overline{15}, 0, \overline{12}$
331	$(00\overline{12})$	0	0	$3, \overline{15}, 0, \overline{12}$ $3, \overline{15}, 1, \overline{13}$
332	$(00\overline{12})$	0	1	$3, \overline{15}, 2, \overline{14}$
333	$(00\overline{12})$	0	0	$3, \overline{15}, \overline{2}, \overline{15}$
334	$(00\overline{12})$	0	1	$3, \overline{15}, 4, \overline{16}$
335	$(00\overline{12})$	0	0	$3, \overline{15}, \overline{17}$
340	$(00\overline{11})$	0	0	$3, \overline{14}, 0, \overline{11}$
341	$(00\overline{11})$	0	1	$3, \overline{14}, 0, \overline{11}$ $3, \overline{14}, 1, \overline{12}$
342	$(00\overline{11})$	0	0	$3, \overline{14}, 1, \overline{12}$ $3, \overline{14}, 2, \overline{13}$
343	$(00\overline{11})$	0	1	$3, \overline{14}, 2, \overline{13}$ $3, \overline{14}, 3, \overline{14}$
344	$(00\overline{11})$ $(00\overline{11})$	0	0	$3, \overline{14}, \overline{3}, \overline{14}$ $3, \overline{14}, \overline{4}, \overline{15}$
345	$(00\overline{11})$ $(00\overline{11})$	0	1	$\frac{3, 14, 4, 15}{3, \overline{14}, 5, \overline{16}}$
350	$(00\overline{10})$	0		$\frac{3, 14, 3, 10}{3, \overline{13}, 0, \overline{10}}$
	/		1	
351 352	$\begin{array}{ c c }\hline (00\overline{10})\\\hline (00\overline{10})\\\hline \end{array}$	0	0	$3, \overline{13}, 1, \overline{11}$
	/		1	$3, \overline{13}, 2, \overline{12}$
353	$(00\overline{10})$	0	0	$3, \overline{13}, 3, \overline{13}$
354	$(00\overline{10})$	0	1	$3, \overline{13}, 4, \overline{14}$
355	$(00\overline{10})$	0	0	$3, \overline{13}, 5, \overline{15}$

400	$(00\overline{20})$	0	0	$4, \overline{24}, 0, \overline{20}$
401	$(00\overline{20})$	0	1	$4, \overline{24}, 1, \overline{21}$
402	$(00\overline{20})$	0	0	$4, \overline{24}, 2, \overline{22}$
403	$(00\overline{20})$	0	1	$4, \overline{24}, 3, \overline{23}$
404	$(00\overline{20})$	0	0	$\overline{4,\overline{24},4,\overline{24}}$
405	$(00\overline{20})$	0	1	$4, \overline{24}, 5, \overline{25}$
410	$(00\overline{19})$	0	1	$4, \overline{23}, 0, \overline{19}$
411	$(00\overline{19})$	0	0	$4,\overline{23},1,\overline{20}$
412	$(00\overline{19})$	0	1	$\frac{-3}{4}, \frac{-3}{23}, \frac{-3}{21}$
413	$(00\overline{19})$	0	0	$\frac{3}{4}, \frac{23}{23}, \frac{3}{3}, \frac{22}{22}$
414	$(00\overline{19})$	0	1	$\frac{1,23,5,22}{4,\overline{23},4,\overline{23}}$
$\frac{414}{415}$	$(00\overline{19})$	0	0	$\frac{4,25,4,25}{4,\overline{23},5,\overline{24}}$
$\frac{410}{420}$	$(00\overline{18})$	0	0	$\frac{4,25,0,24}{4,\overline{22},0,\overline{18}}$
$\frac{420}{421}$	$(00\overline{18})$	0	1	$4, \overline{22}, 0, \overline{10}$ $4, \overline{22}, 1, \overline{19}$
$\frac{421}{422}$	$(00\overline{18})$	0	0	$4, \underline{22}, \underline{1}, \underline{19}$ $4, \underline{72}, 2, \underline{70}$
$\frac{422}{423}$	$(00\overline{18})$	0		
	/		1	$4,\overline{22},3,\overline{21}$
424	$(00\overline{18})$	0	0	$4,\overline{22},4,\overline{22}$
425	$(00\overline{18})$	0	1	$4,\overline{22},5,\overline{23}$
430	$(00\overline{17})$	0	1	$4, \overline{21}, 0, \overline{17}$
431	$(00\overline{17})$	0	0	$4, \overline{21}, 1, \overline{18}$
432	$(00\overline{17})$	0	1	$4, \overline{21}, 2, \overline{19}$
433	$(00\overline{17})$	0	0	$4, \overline{21}, 3, \overline{20}$
434	$(00\overline{17})$	0	1	$4,\overline{21},4,\overline{21}$
435	$(00\overline{17})$	0	0	$4,\overline{21},5,\overline{22}$
440	$(00\overline{16})$	0	0	$4, \overline{20}, 0, \overline{16}$
441	$(00\overline{16})$	0	1	$4, \overline{20}, 1, \overline{17}$
442	$(00\overline{16})$	0	0	$4, \overline{20}, 2, \overline{18}$
443	$(00\overline{16})$	0	1	$4, \overline{20}, 3, \overline{19}$
444	$(00\overline{16})$	0	0	$4, \overline{20}, 4, \overline{20}$
445	(0016)	0	1	$4, \overline{20}, 5, \overline{21}$
450	$(00\overline{15})$	0	1	$4, \overline{19}, 0, \overline{15}$
451	$(00\overline{15})$	0	0	$4, \overline{19}, 1, \overline{16}$
452	$(00\overline{15})$	0	1	$4, \overline{19}, 2, \overline{17}$
453	$(00\overline{15})$	0	0	$4, \overline{19}, 3, \overline{18}$
454	$(00\overline{15})$	0	1	$4, \overline{19}, 4, \overline{19}$
455	$(00\overline{15})$	0	0	$\frac{3}{4}, \frac{3}{19}, \frac{3}{5}, \frac{3}{20}$
500	$(00\overline{25})$	0	0	$\frac{1}{5}, \frac{10}{30}, 0, \frac{25}{25}$
501	$(00\overline{25})$	0	1	$\frac{5, 50, 0, 25}{5, \overline{30}, 1, \overline{26}}$
$\frac{501}{502}$	$(00\overline{25})$	0	0	$\frac{5, 50, 1, 20}{5, \overline{30}, 2, \overline{27}}$
$\frac{502}{503}$	$(00\overline{25})$	0	1	$\frac{5, 50, 2, 27}{5, \overline{30}, 3, \overline{28}}$
$\frac{503}{504}$	(0025) (0025)	0	0	$5, \overline{30}, \overline{4}, \overline{29}$
$\frac{504}{505}$	(0025) (0025)	0		$5, \overline{30}, \overline{4}, \overline{29}$ $5, \overline{30}, 5, \overline{30}$
$\frac{505}{510}$	(0023) (0024)	0	1	$\frac{5, 50, 5, 50}{5, \overline{29}, 0, \overline{24}}$
	(0024) $(00\overline{24})$		1	
511		0	0	$5, \overline{29}, 1, \overline{25}$
512	$(00\overline{24})$	0	1	$5, \overline{29}, 2, \overline{26}$
513	$(00\overline{24})$	0	0	$5, \overline{29}, 3, \overline{27}$
514	$(00\overline{24})$	0	1	$5, \overline{29}, 4, \overline{28}$
515	$(00\overline{24})$	0	0	$5, \overline{29}, 5, \overline{29}$
520	$(00\overline{23})$	0	0	$5, \overline{28}, 0, \overline{23}$
521	$(00\overline{23})$	0	1	$5, \overline{28}, 1, \overline{24}$
522	$(00\overline{23})$	0	0	$5, \overline{28}, 2, \overline{25}$
523	$(00\overline{23})$	0	1	$5, \overline{28}, 3, \overline{26}$
524	$(00\overline{23})$	0	0	$5, \overline{28}, 4, \overline{27}$
525	$(00\overline{23})$	0	1	$5, \overline{28}, 5, \overline{28}$
530	$(00\overline{22})$	0	1	$5, \overline{27}, 0, \overline{22}$

531					
	$(00\overline{22})$	0	0	$5, \overline{27}, 1, \overline{23}$	
532	$(00\overline{22})$	0	1	$5, \overline{27}, 2, \overline{24}$	
533	$(00\overline{22})$	0	0	$5, \overline{27}, 3, \overline{25}$	
534	$(00\overline{22})$	0	1	$5, \overline{27}, 4, \overline{26}$	
535	$(00\overline{22})$	0	0	$5, \overline{27}, 5, \overline{27}$	
540	$(00\overline{21})$	0	0	$5,\overline{26},0,\overline{21}$	
541	$(00\overline{21})$	0	1	$5, \overline{26}, 1, \overline{22}$	
542	$(00\overline{21})$	0	0	$5, \overline{26}, 2, \overline{23}$	
$\frac{542}{543}$	$(00\overline{21})$	0	1	$\frac{5,26,2,25}{5,\overline{26},3,\overline{24}}$	
$\frac{543}{544}$	(0021) (0021)	0	0	$\frac{5,26,3,24}{5,\overline{26},4,\overline{25}}$	
	/				
545	$(00\overline{21})$	0	1	$5, \overline{26}, 5, \overline{26}$	
550	$(00\overline{20})$	0	1	$5, \overline{25}, 0, \overline{20}$	
551	$(00\overline{20})$	0	0	$5, \overline{25}, 1, \overline{21}$	
552	$(00\overline{20})$	0	1	$5, \overline{25}, 2, \overline{22}$	
553	$(00\overline{20})$	0	0	$5, \overline{25}, 3, \overline{23}$	
554	$(00\overline{20})$	0	1	$5, \overline{25}, 4, \overline{24}$	
555	$(00\overline{20})$	0	0	$5, \overline{25}, 5, \overline{25}$	
		175.139	P6'/m	n Classification = \mathbb{Z}_M^2 $X_{BS} = \mathbb{Z}_{3,3}$ $SI = z_{3m,0}^+, z_{3m,\pi}^+$	
$\mathbb{Z}_{3,3}$	weak	$6^{001}*$	i*	$Cm_{(3)}^{001}$	
00	(000)	1	0	3300	
00	(000)	1	0	$003\overline{3}$	
00	(000)	1	0	$00\overline{3}$	
01	(000)	1	0	$\frac{0035}{001\overline{1}}$	
$\frac{01}{02}$	(000)		0	$001\overline{2}$	
	· /	0			
10	(000)	1	0	1100	
11	(000)	0	0	1111	
12	(000)	1	0	1122	
20	(000)	0	0	2200	
21	(000)	1	0	2211	
22	(000)	0	0	$2\overline{2}2\overline{2}$	
			1 P6'/n	m' Classification = \mathbb{Z}_2 $X_{BS} = \mathbb{Z}_{2,4}$ $SI = z_{6C}/2, z_{4P}$	
		175.14	1 10/11		
$\overline{\mathbb{Z}_{2,4}}$	weak	$\frac{175.14}{6^{001}*}$	$\frac{1 - i \cdot 0 / n}{i}$	2 25 2,1	
$\frac{\mathbb{Z}_{2,4}}{00}$	weak (000)			2 25 2,1 00, 7 12	
$ \begin{array}{c c} \mathbb{Z}_{2,4} \\ \hline 00 \\ 02 \end{array} $	(000)	6001*	i	2 25 2,1 00, 12	
00		6 ⁰⁰¹ * 0 1	<i>i</i> 0 1		
00 02	(000)	$6^{001}*$ 0 1 175	$ \begin{array}{c c} i \\ 0 \\ \hline 1 \\ \hline .142 P_c \epsilon \end{array} $	$Z_c 6/m$ Classification = \mathbb{Z}_M $X_{\mathrm{BS}} = \mathbb{Z}_6$ $\mathrm{SI} = z_{6m,0}^+$	
$ \begin{array}{c c} 00 \\ 02 \\ \hline \mathbb{Z}_{6} \end{array} $	(000) (000) weak	$ \begin{array}{r} 6^{001} * \\ 0 \\ 1 \\ \hline 175 \\ \{1 00\frac{1}{2}\} * \end{array} $	$ \begin{array}{c c} i \\ 0 \\ \hline 1 \\ .142 P_c \\ 6^{001} \end{array} $	$c_c 6/m$ Classification = \mathbb{Z}_M $X_{BS} = \mathbb{Z}_6$ $SI = z_{6m,0}^+$ i $Cm_{(6)}^{001}$	
$ \begin{array}{c} 00 \\ 02 \\ \hline \mathbb{Z}_6 \\ 0 \end{array} $	(000) (000) weak (000)	$ \begin{array}{r} 6^{001}*\\ 0\\ 1\\ \hline 175\\ \{1 00\frac{1}{2}\}*\\ 0 \end{array} $	$ \begin{array}{c c} i \\ 0 \\ 1 \\ \hline .142 P_c 6 \\ 6^{001} \\ 0 \end{array} $	$C_{c}6/m$ Classification = \mathbb{Z}_{M} $X_{BS} = \mathbb{Z}_{6}$ $SI = z_{6m,0}^{+}$ i $Cm_{(6)}^{001}$ 0 $6\overline{6}00$	
$ \begin{array}{c} 00 \\ 02 \end{array} $ $ \begin{array}{c} \mathbb{Z}_6 \\ 0 \\ 0 \end{array} $	(000) (000) weak (000) (000)	$ \begin{array}{r} 6^{001}*\\ 0\\ 1\\ \hline 175\\ \{1 00\frac{1}{2}\}*\\ 0\\ 0 \end{array} $	$ \begin{array}{c} i \\ 0 \\ 1 \\ \hline .142 P_c \\ 6^{001} \\ 0 \\ 0 \end{array} $	$c_{c}6/m$ Classification = \mathbb{Z}_{M} $X_{BS} = \mathbb{Z}_{6}$ $SI = z_{6m,0}^{+}$ i $Cm_{(6)}^{001}$ 0 $6\overline{6}00$ 0 0000	
$ \begin{array}{c c} 00 \\ 02 \\ \hline & \\ \hline & \\ 0 \\ 0 \\ 1 \end{array} $	(000) (000) weak (000) (000) (000)	$ \begin{array}{r} 6^{001} * \\ 0 \\ 1 \\ \hline 175 \\ \{1 00\frac{1}{2}\} * \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} i \\ 0 \\ 1 \\ \hline 142 P_c 6 \\ 6^{001} \\ 0 \\ 0 \end{array} $	$z_{c}6/m$ Classification = \mathbb{Z}_{M} $X_{BS} = \mathbb{Z}_{6}$ $SI = z_{6m,0}^{+}$ i $Cm_{(6)}^{001}$ 0 $6\overline{6}00$ 0 0000 1 $1\overline{1}00$	
$ \begin{array}{c c} 00 \\ 02 \\ \hline & \\ \hline & \\ 0 \\ 0 \\ \hline & \\ 1 \\ 2 \end{array} $	(000) (000) weak (000) (000) (000) (000)	$ \begin{array}{r} 6^{001}*\\ 0\\ 1\\ \hline 175\\ \{1 00\frac{1}{2}\}*\\ 0\\ 0\\ 1\\ 0 \end{array} $	$ \begin{array}{c} i \\ 0 \\ \hline 1 \\ \hline 142 P_c 6 \\ \hline 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \end{array} $	$c_{c}6/m$ Classification = \mathbb{Z}_{M} $X_{BS} = \mathbb{Z}_{6}$ $SI = z_{6m,0}^{+}$ $c_{c}6/m$ $c_{c}6/$	
$ \begin{array}{c c} 00 \\ 02 \\ \hline & \\ \hline & \\ 0 \\ 0 \\ 1 \end{array} $	(000) (000) weak (000) (000) (000) (000) (000)	$ \begin{array}{r} 6^{001}*\\ 0\\ 1\\ \hline 175\\ \{1 00\frac{1}{2}\}*\\ 0\\ 0\\ 1\\ 0\\ 1 \end{array} $	$ \begin{array}{c} i \\ 0 \\ 1 \\ \hline .142 P_c \epsilon \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$c_{c}6/m$ Classification = \mathbb{Z}_{M} $X_{BS} = \mathbb{Z}_{6}$ $SI = z_{6m,0}^{+}$ i $Cm_{(6)}^{001}$ 0 $6\overline{6}00$ 0 0000 1 $1\overline{1}00$ 0 $2\overline{2}00$ 1 $3\overline{3}00$	
$ \begin{array}{c c} 00 \\ \hline 02 \\ \hline & \\ \hline 0 \\ 0 \\ \hline 1 \\ 2 \\ \hline 3 \\ 4 \end{array} $	(000) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{r} 6^{001}*\\ 0\\ 1\\ \hline 175\\ \{1 00\frac{1}{2}\}*\\ 0\\ 0\\ 1\\ 0 \end{array} $	$ \begin{array}{c} i \\ 0 \\ \hline 1 \\ .142 P_c \\ 6^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	c_6 / m Classification = \mathbb{Z}_M $X_{\rm BS} = \mathbb{Z}_6$ SI = $z_{6m,0}^+$ i $Cm_{(6)}^{001}$ 0 $6\overline{6}00$ 0 0000 1 $1\overline{1}00$ 0 $2\overline{2}00$ 1 $3\overline{3}00$ 0 $4\overline{4}00$	
$ \begin{array}{c c} 00 \\ \hline 02 \\ \hline & \\ \hline 0 \\ 0 \\ \hline 1 \\ 2 \\ 3 \\ \hline \end{array} $	(000) (000) weak (000) (000) (000) (000) (000)	$ \begin{array}{r} 6^{001}*\\ 0\\ 1\\ \hline 175\\ \{1 00\frac{1}{2}\}*\\ 0\\ 0\\ 1\\ 0\\ 1 \end{array} $	$ \begin{array}{c} i \\ 0 \\ 1 \\ \hline .142 P_c \epsilon \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	c_6 / m Classification = \mathbb{Z}_M $\mathbb{X}_{\mathrm{BS}} = \mathbb{Z}_6$ $\mathrm{SI} = z_{6m,0}^+$ i $Cm_{(6)}^{001}$ 0 $6\overline{6}00$ 0 0000 1 $1\overline{100}$ 0 $2\overline{2}00$ 1 $3\overline{3}00$ 0 $4\overline{4}00$ 1 $5\overline{5}00$	
$ \begin{array}{c c} 00 \\ \hline 02 \\ \hline & \\ \hline 0 \\ 0 \\ \hline 1 \\ 2 \\ \hline 3 \\ 4 \end{array} $	(000) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c} 6^{001}*\\ 0\\ 1\\ \hline 175\\ \{1 00\frac{1}{2}\}*\\ 0\\ 0\\ 1\\ 0\\ 1 \end{array} $	$ \begin{array}{c} i \\ 0 \\ 1 \\ \hline 1.142 P_c 6 \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	c_6 / m Classification = \mathbb{Z}_M $\mathbb{X}_{\mathrm{BS}} = \mathbb{Z}_6$ $\mathrm{SI} = z_{6m,0}^+$ i $Cm_{(6)}^{001}$ 0 $6\overline{6}00$ 0 0000 1 $1\overline{100}$ 0 $2\overline{2}00$ 1 $3\overline{3}00$ 0 $4\overline{4}00$ 1 $5\overline{5}00$	
$ \begin{array}{c c} 00 \\ \hline 02 \\ \hline & \\ \hline & \\ 0 \\ \hline & \\ 0 \\ \hline & \\ 1 \\ 2 \\ \hline & \\ 3 \\ 4 \\ 5 \end{array} $	(000) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{r} 6^{001}*\\ 0\\ 1\\ \hline 175\\ \hline \{1 00\frac{1}{2}\}*\\ 0\\ 0\\ 1\\ 0\\ 1\\ 0\\ 1\\ \hline 176.143 \end{array} $	$ \begin{array}{c} i \\ 0 \\ 1 \\ \hline 1.142 P_c 6 \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$c_{c}6/m$ Classification = \mathbb{Z}_{M} $X_{BS} = \mathbb{Z}_{6}$ $SI = z_{6m,0}^{+}$ i $Cm_{(6)}^{001}$ 0 $6\overline{6}00$ 0 0000 1 $1\overline{1}00$ 0 $2\overline{2}00$ 1 $3\overline{3}00$ 0 $4\overline{4}00$ 1 $5\overline{5}00$ Classification = $\mathbb{Z}_{M} \times \mathbb{Z}$ $X_{BS} = \mathbb{Z}_{3,6}$ $SI = z_{3m,\pi}^{+}, z_{6m,0}^{+}$	
$ \begin{array}{c c} 00 \\ 02 \\ \hline & \\ \hline & \\ & \\ \hline & \\ & \\ & \\ \hline & \\ & \\$	(000) (000) (000) (000) (000) (000) (000) (000) (000) weak	$\begin{array}{c} 6^{001}* \\ \hline 0 \\ 1 \\ \hline 175 \\ \{1 00\frac{1}{2}\}* \\ \hline 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ \hline 176.143 \\ 6^{001}_{00\frac{1}{2}} \\ \end{array}$	$ \begin{array}{c} i \\ 0 \\ 1 \\ 1.142 P_c \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c c} 00 \\ 02 \\ \hline & \\ & \\ & \\ & \\ & \\ & \\ & \\ $	(000) (000) (000) (000) (000) (000) (000) (000) (000) weak (006)	$\begin{array}{c} 6^{001}* \\ \hline 0 \\ 1 \\ \hline 175 \\ \{1 00\frac{1}{2}\}* \\ \hline 0 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline 176.143 \\ \hline 6^{001}_{00\frac{1}{2}} \\ 3 \\ \end{array}$	$ \begin{array}{c} i \\ 0 \\ 1 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c c} 00 \\ 02 \\ \hline & \\ \hline & \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline & \\ \hline & \\ & \\ \hline & \\ & \\ \hline & \\ & \\$	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (006) (006)	$\begin{array}{c} 6^{001}* \\ \hline 0 \\ 1 \\ \hline 175 \\ \{1 00\frac{1}{2}\}* \\ \hline 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ \hline 176.143 \\ \hline 6^{001}_{00\frac{1}{2}} \\ 3 \\ 0 \\ \end{array}$	$ \begin{array}{c} i \\ 0 \\ 1 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c c} 00 \\ 02 \\ \hline & \\ & \\ & \\ & \\ & \\ & \\ & \\ $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{array}{c} 6^{001}* \\ \hline 0 \\ 1 \\ \hline 175 \\ \{1 00\frac{1}{2}\}* \\ \hline 0 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline 176.143 \\ \hline 6^{001}_{00\frac{1}{2}} \\ 3 \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c c} i \\ 0 \\ \hline 1 \\ .142 P_c 6 \\ \hline 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c c} 00 \\ \hline 02 \\ \hline & \\ \hline & \\ 0 \\ \hline & \\ 0 \\ \hline & \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline & \\ \hline & \\ & \\ \hline & \\ & \\$	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{array}{c} 6^{001}* \\ \hline 0 \\ 1 \\ \hline 175 \\ \{1 00\frac{1}{2}\}* \\ \hline 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ \hline 176.143 \\ \hline 6^{001}_{00\frac{1}{2}} \\ 3 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c c} i \\ 0 \\ \hline 0 \\ 1 \\ 142 P_c \\ 6^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c c} 00 \\ 02 \\ \hline & \\ & \\ & \\ & \\ & \\ & \\ & \\ $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{array}{c} 6^{001}* \\ \hline 0 \\ 1 \\ \hline 175 \\ \{1 00\frac{1}{2}\}* \\ \hline 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ \hline 176.143 \\ \hline 6^{001}_{00\frac{1}{2}} \\ 3 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c c} i \\ 0 \\ \hline 1 \\ .142 P_c \\ 6^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline P6_3/m \\ i \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \end{array} $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c c} 00 \\ 02 \\ \hline & \\ & \\ & \\ & \\ & \\ & \\ & \\ $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{array}{c} 6^{001}* \\ \hline 0 \\ 1 \\ \hline 175 \\ \{1 00\frac{1}{2}\}* \\ \hline 0 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ 0 \\ 1 \\ \hline 176.143 \\ \hline 6^{001}_{00\frac{1}{2}} \\ 3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} i \\ 0 \\ \hline 1 \\ .142 P_c e \\ 6^{001} \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c c} 00 \\ 02 \\ \hline & \\ \hline & \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline & \\ \hline & \\ 00 \\ 00 \\ 00 \\ 00 \\ 01 \\ 02 \\ 03 \\ 04 \\ \end{array} $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{array}{c} 6^{001}* \\ \hline 0 \\ 1 \\ \hline 175 \\ \{1 00\frac{1}{2}\}* \\ \hline 0 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline 176.143 \\ \hline 6^{001}_{00\frac{1}{2}} \\ 3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} i \\ 0 \\ 1 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c c} 00 \\ 02 \\ \hline & \\ & \\ & \\ & \\ & \\ & \\ & \\ $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{array}{c} 6^{001}* \\ \hline 0 \\ 1 \\ \hline 175 \\ \{1 00\frac{1}{2}\}* \\ \hline 0 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ 0 \\ 1 \\ \hline 176.143 \\ \hline 6^{001}_{00\frac{1}{2}} \\ 3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} i \\ 0 \\ \hline 1 \\ .142 P_c e \\ 6^{001} \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	

11	(002)	1	1	1111				
12	(002)	1	0	2011				
13	(002)	1	1	3111				
14	(002)	1	0	$4\overline{2}11$				
15	(002)	1	1	$5\overline{3}11$				
$\frac{10}{20}$	· /			0422				
	(004)	2	0					
21	(004)	2	1	1322				
22	(004)	2	0	2222				
23	(004)	2	1	3122				
24	(004)	2	0	4022				
25	(004)	2	1	$5\overline{1}22$				
	/	176	1.45 DG/	/m Classi	ification = \mathbb{Z}_M	V _ 7 C	T _ ~+	
	1	c001		$\frac{111}{C}$ Class.	$= \omega_M$	$\Lambda_{\rm BS} - Z_3$	$1 - z_{3m,0}$	
\mathbb{Z}_3	weak	$6^{001}_{00\frac{1}{2}}*$	i*	$Cm_{(3)}^{001}$				
0	(000)	1	0	$3\overline{3}00$				
0	(000)	0	0	0000				
1	(000)	1	0	$1\overline{1}00$				
2	(000)	0	0	$2\overline{2}00$				
	(000)				·C /	37 57 (71	
				$\frac{1}{3}/m$ Clas	ssification = \mathbb{Z}_2	$X_{\rm BS} = \mathbb{Z}_4$	$51 = z_{4P}$	
\mathbb{Z}_4	weak	$6^{001}_{00\frac{1}{2}}*$	i					
0	(000)	0	0					
2	(000)	1	1					
	()	176	140 D.C	/200 Class	ifaction 7	V 77 C	т <u>.</u> .+	
		176.			ification = \mathbb{Z}_M	$X_{BS} = \mathbb{Z}_6$ S	$z_{6m,0}$	
\mathbb{Z}_6	weak	$\{1 00\frac{1}{2}\}*$	$6^{001}*$	$i_{00\frac{1}{2}}*$	$Cm_{(6)}^{001}$			
0	(000)	0	0	0	$6\overline{6}00$			
0	(000)	0	0	0	0000			
1	(000)	1	1	0	$1\overline{1}00$			
2	(000)	0	0	0	$2\overline{2}00$			
3	(000)	1	1	0	$\frac{2200}{3\overline{3}00}$			
	(000)	0	0	0	$\frac{3500}{4\overline{4}00}$			
4	/							
5	(000)	1	1	0	$5\overline{5}00$			
		177.			ication = $\mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_6$	$SI = z_{6C}$	
\mathbb{Z}_6	weak	6^{001}	$2^{010}*$	$2^{1\bar{1}0}*$				
0	(006)	0	0	0				
0	(000)	0	1	1				
1	(001)	0	0	0				
$\frac{1}{2}$	(001)	0	0	0				
	/							
3	(003)	0	0	0				
4	(004)	0	0	0				
5	(005)	0	0	0				
		180.1	$71 P6_22'$	'2' Classi	fication = $\mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2C}$	
\mathbb{Z}_2	weak	$6^{001}_{00\frac{1}{3}}$	$\frac{2^{010}_{00\frac{1}{3}}*}{2^{00\frac{1}{3}}}$	$2^{1\overline{10}}_{00\frac{2}{3}}*$	-2		20	
0	(006)	2	0	0				
0	(000)	0	1	1				
1	(003)	1	0	1				
		181.1	$.77 P6_42$	'2' Classi	fication = $\mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2C}$	
$\overline{\mathbb{Z}_2}$	weak	$6^{001}_{00\frac{2}{3}}$	$2^{010}_{00\frac{2}{3}}*$	$2^{110}_{00\frac{1}{3}}*$	-2	25 2	20	
0	$(00\overline{6})$	4	0	0				
0	(000)	<u>0</u>	1	1				
1	$(00\overline{3})$	$\overline{2}$	0	1				
		182.1	$.83 P6_32^{\circ}$	'2' Classi	fication = $\mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_3$	$SI = z_{3C}$	
\mathbb{Z}_3	weak	$6^{001}_{00\frac{1}{2}}$	2 ⁰¹⁰ *		- · · 2	25 -3	-30	
		$000\frac{1}{2}$		$2^{1\overline{10}}_{00\frac{1}{2}}*$				
0	(006)	3	0	1				
							·	

0	(000)	0	1	1	
$\frac{}{2}$	(000)	1	0	1	
1	(004)	2	0	0	
	(001)				lassification = \mathbb{Z} $X_{BS} = \mathbb{Z}_6$ $SI = z_{6C}$
\mathbb{Z}_6	weak	6^{001}			$\frac{1}{10000000000000000000000000000000000$
$\frac{\square_6}{0}$	$(00\overline{6})$	0	$\frac{m_{\bar{1}20}*}{0}$	$\frac{m_{1\bar{1}0}*}{0}$	
5	$(00\overline{1})$	0	0	0	
4	$(00\overline{2})$	0	0	0	
3	$(00\overline{3})$	0	0	0	
2	$(00\overline{4})$	0	0	0	
1	$(00\overline{5})$	0	0	0	
		1	84.195 P	6c'c' Clas	assification = \mathbb{Z} $X_{BS} = \mathbb{Z}_6$ $SI = z'_{6C}$
\mathbb{Z}_6	weak	6^{001}	$g_{00\frac{1}{2}}^{120}*$	$g_{00\frac{1}{2}}^{110}*$	
0	(0012)	0	$\frac{300\frac{1}{2}}{6}$	$\frac{300\frac{1}{2}}{6}$	
1	(0012)	0	1	1	
$\frac{1}{2}$	(004)	0	2	2	
3	(006)	0	3	3	
4	(008)	0	4	4	
5	(0010)	0	5	5	
	()		85 201 <i>P</i> 6	oc'm' Cls	lassification = \mathbb{Z} $X_{BS} = \mathbb{Z}_3$ $SI = z_{3C}$
\mathbb{Z}_3	weak	$6^{001}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{\overline{120}}*$	$\frac{m_{1\bar{1}0}*}{m_{1\bar{1}0}*}$	$R_{\rm BS} = 223 \text{M} = 230$
	$(00\overline{6})$	$\frac{3}{3}$	$\frac{g_{00\frac{1}{2}}}{3}$		
$\frac{0}{1}$	(000) $(00\overline{2})$	$\frac{3}{1}$	$\frac{3}{1}$	0	
$\frac{1}{2}$	(002) (004)	$\frac{1}{2}$	$\frac{1}{2}$	0	
	(004)				1:C
	1-				lassification = \mathbb{Z} $X_{BS} = \mathbb{Z}_3$ $SI = z_{3C}$
\mathbb{Z}_3	weak	$6^{001}_{00\frac{1}{2}}$	$m_{\bar{1}20}*$	$g_{00\frac{1}{2}}^{110}*$	
0	(006)	3	0	3	
2	(002)	1	0	1	
1	(004)	2	0	2	
	Γ	187.209			ation = \mathbb{Z}_{3m}^{3} $X_{BS} = \mathbb{Z}_{3,3}$ $SI = z_{3m,0}^{+}, z_{3m,\pi}^{+}$
$\mathbb{Z}_{3,3}$	weak	$\bar{6}^{001}$	2^{110}	$Cm_{(3)}^{001}$	$Cm_{(0)}^{110}$
00	(000)	1	0	3300	$\frac{3\overline{3}}{\overline{}}$
00	(000)	1	0	$003\overline{3}$	33
00	(000)	1	0	$00\bar{3}3$	11
00	(000)	0	0	0000	$\frac{2\overline{2}}{\overline{11}}$
$\frac{01}{02}$	(000)	1	0	$\frac{001\overline{1}}{002\overline{2}}$	$\frac{\overline{1}1}{\overline{2}2}$
$\frac{02}{10}$	(000)	0	0	$\frac{0022}{1\overline{1}00}$	$\frac{22}{1\overline{1}}$
11	(000)	0	0	1111	00
12	(000)	1	0	$\frac{1111}{1\overline{1}2\overline{2}}$	<u>1</u> 1
$\frac{12}{20}$	(000)	0	0	$\frac{1122}{2\overline{2}00}$	$\frac{11}{2\overline{2}}$
21	(000)	1	0	$\frac{2\overline{2}\overline{3}}{2\overline{1}}$	<u> </u>
22	(000)	0	0	$2\overline{2}2\overline{2}$	00
	18'			sification -	$=\mathbb{Z}_{M}^{2} imes\mathbb{Z} ext{X}_{ ext{BS}}=\mathbb{Z}_{3,3,3} ext{SI}=z_{3m,0}^{+},z_{3m,0}^{-},z_{3m,\pi}^{+}$
$\mathbb{Z}_{3,3,3}$	weak		$m_{\bar{1} \sim 0} \star$	2110	$= \mathbb{Z}_{M}^{2} \times \mathbb{Z} X_{\text{BS}} = \mathbb{Z}_{3,3,3} \text{SI} = z_{3m,0}^{+}, z_{3m,0}^{-}, z_{3m,\pi}^{+}$ $Cm_{(3)}^{001}$
$\frac{23,3,3}{000}$	$(00\overline{6})$	1	$\frac{m_{120}*}{0}$	$\frac{2}{1}$	$\frac{6m_{(3)}}{3906}$
000	(003)	1	0	1	0303
000	(000)	1	0	1	$\frac{0003}{0033}$
000	(000)	1	0	1	$\frac{00\overline{3}}{00\overline{3}}$
001	(000)	1	0	1	0011
002	(000)	0	0	0	$002\overline{2}$
010	(001)	1	0	1	0101
	/				

	I (-)							
011	(001)	0	0	0	0110			
012	(001)	1	0	1	$012\overline{1}$			
020	(002)	0	0	0	0202			
021	(002)	1	0	1	0211			
022	(002)	0	0	0	0220			
100	$(00\overline{2})$	1	0	1	$1\overline{3}0\overline{2}$			
101	$(00\overline{2})$	0	0	0	$1\overline{3}1\overline{3}$			
102	$(00\overline{2})$	1	0	1	$1\overline{3}2\overline{4}$			
110	$(00\overline{1})$	0	0	0	$1\overline{2}0\overline{1}$			
111	$(00\overline{1})$	1	0	1	$1\overline{2}1\overline{2}$			
112	$(00\overline{1})$	0	0	0	$1\overline{2}2\overline{3}$			
120	(000)	1	0	1	1100			
121	(000)	0	0	0	1111			_
122	(000)	1	0	1	$1\overline{1}2\overline{2}$			_
200	$(00\overline{4})$	0	0	0	$2\overline{6}0\overline{4}$			
201	$(00\overline{4})$	1	0	1	$2\overline{6}1\overline{5}$			
202	$(00\overline{4})$	0	0	0	$2\overline{6}2\overline{6}$			
210	$(00\overline{3})$	1	0	1	$2\overline{5}0\overline{3}$			
211	$(00\overline{3})$	0	0	0	$2\overline{5}1\overline{4}$			
212	$(00\overline{3})$	1	0	1	$2\overline{5}2\overline{5}$			
220	$(00\overline{2})$	0	0	0	$2\overline{4}0\overline{2}$			
221	$(00\overline{2})$	1	0	1	$2\overline{4}1\overline{3}$			
222	$(00\overline{2})$	0	0	0	$2\overline{4}2\overline{4}$			
		187	$r.214 P_c \bar{\epsilon}$	5m2 Classifi	$cation = \mathbb{Z}_2^2$	$X_{BS} = \mathbb{Z}_3$	$SI = z_{3m,0}^+$	
\mathbb{Z}_3	weak	$\{1 00\frac{1}{2}\}*$	$\bar{6}^{001}$	$2^{1ar{1}0}$	$Cm_{(3)}^{001}$	$Cm_{(0)}^{110}$,	
0	(000)	1	1	0	$3\overline{3}00$	$\frac{\overline{33}}{3}$		
0	(000)	0	0	0	0000	$\overline{2}2$		
0	(000)	0	0	0	0000	$2\overline{2}$		
1	(000)	1	1	0	$1\overline{1}00$	$1\overline{1}$		
2	(000)	0	0	0	$2\overline{2}00$	$2\overline{2}$		
	, ,	18	$8.215 P\overline{6}$	5c2 Classific	$\operatorname{cation} = \mathbb{Z}_N$	$X_{DS} = \mathbb{Z}_2$	$SI = z_{3m,0}^+$	
\mathbb{Z}_3	weak	$\bar{6}^{001}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{\bar{1}20}$	$\frac{2^{1\overline{1}0}}{2^{1}}$	$\frac{Cm_{(3)}^{001}}{Cm_{(3)}^{001}}$	1 1105 223	~3m,0	
0	(000)	1	1	0	3300			
0	(000)	0	0	0	0000			
1	(000)	1	1	0	1100			
2	(000)	0	0	0	$2\overline{2}00$			
		188.219		Classification		$X_{BS} = \mathbb{Z}_{3,3}$	$SI = z_{3m,0}^+, z_{3m,\pi}^+$	
$\mathbb{Z}_{3,3}$	weak	$\bar{6}^{001}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{\overline{120}}*$	$2^{110}*$	$Cm_{(3)}^{001}$			
00	(000)	1	0	1	3300			
00	$(00\overline{6})$	1	3	0	0633			
00	(000)	0	0	0	0000			
01	$(00\overline{2})$	1	1	0	0211			
02	$(00\overline{4})$	0	2	0	0422			
10	(000)	1	0	1	$1\overline{1}00$			
11	$(00\overline{2})$	0	1	1	1111			
12	$(00\overline{4})$	1	$\overline{2}$	1	1322			
20	(000)	0	0	0	$2\overline{2}00$			
21	$(00\overline{2})$	1	1	0	2011			
22	$(00\overline{4})$	0	2	0	2222			
	/		$8.220 P_c$	6c2 Classific		$X_{BS} = \mathbb{Z}_3$	$SI = z_{2}^{+}$	
77.	weak	$\{1 00\frac{1}{2}\}*$	$\frac{5.220 \text{ f}_{c}}{\bar{6}^{001}*}$		$\frac{2^{110}}{2^{110}}$	$\frac{1}{Cm^{001}}$	\sim 1 - \sim 3 m ,0	
$\frac{\mathbb{Z}_3}{0}$				$m_{\bar{1}20}*$		$Cm_{(3)}^{001}$		
0	(000)	1	0	0	0	3300		
0	(000)	0	0	0	0	0000		

1	(000)	1	0	0	0	$\overline{1100}$	
$\frac{1}{2}$	(000)	0	0	0	0	$\frac{1100}{2\overline{2}00}$	
	(000)	189.221	$P\bar{6}2m$	Classificat			CI _ ~ ⁺ ~ ⁺
$\mathbb{Z}_{3,3}$	weak	$\frac{169.221}{\bar{6}^{001}}$	$\frac{102m}{2^{010}}$	$Cm_{(0)}^{100}$	$\frac{1011 = \mathbb{Z}_M}{Cm_{(3)}^{001}}$	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_{3,3}$	$SI = z_{3m,0}^+, z_{3m,\pi}^+$
$\frac{23,3}{00}$	(000)	1	0	$\frac{Cm_{(0)}}{3\overline{3}}$	$\frac{3\overline{3}00}{300}$		
00	(000)	1	0	$\frac{33}{33}$	$\frac{3300}{003\overline{3}}$		
00	(000)	0	0	$\frac{3\overline{5}}{2\overline{2}}$	0000		
00	(000)	1	0	$\frac{22}{1\overline{1}}$	$00\overline{3}$		
01	(000)	1	0	$\frac{11}{11}$	$\frac{0000}{001\overline{1}}$		
02	(000)	0	0	$\frac{11}{22}$	$002\overline{2}$		
10	(000)	1	0	1 <u>1</u>	$1\overline{100}$		
11	(000)	0	0	00	1111		
12	(000)	1	0	<u>1</u> 1	$1\overline{1}2\overline{2}$		
20	(000)	0	0	$2\overline{2}$	$2\overline{2}00$		
21	(000)	1	0	$1\overline{1}$	$2\overline{2}1\overline{1}$		
22	(000)	0	0	00	$2\overline{2}2\overline{2}$		
	1	$89.225 P\bar{6}2'$	m' Clas	sification =	$\mathbb{Z}^2_M \times \mathbb{Z}$	$X_{BS} = \mathbb{Z}_{3,3,3}$	$SI = z_{3m,0}^+, z_{3m,0}^-, z_{3m,\pi}^+$
$\overline{\mathbb{Z}_{3,3,3}}$	weak	$\bar{6}^{001}$	2010*	sification = $m_{1\bar{1}0}$ *	$Cm_{(3)}^{001}$	2.0,0,0	$3m_i$ 0 / $3m_i$ 0 / $3m_i$ 1
000	$(00\overline{6})$	1	1	0	$\frac{3906}{3906}$		
000	(003)	1	1	0	0303		
000	(000)	1	1	0	$003\overline{3}$		
000	(000)	1	1	0	$00\overline{3}3$		
001	(000)	1	1	0	$001\overline{1}$		
002	(000)	0	0	0	$002\overline{2}$		
010	(001)	1	1	0	0101		
011	(001)	0	0	0	0110		
012	(001)	1	1	0	$012\overline{1}$		
020	(002)	0	0	0	0202		
021	(002)	1	1	0	0211		
022	(002)	0	0	0	0220		
100	$(00\overline{2})$	1	1	0	$1\overline{3}0\overline{2}$		
101	$(00\overline{2})$	0	0	0	$1\overline{3}1\overline{3}$		
102	$(00\overline{2})$	1	1	0	$1\overline{3}2\overline{4}$		
110	$\frac{(00\overline{1})}{(00\overline{1})}$	0	0	0	$\frac{1\overline{2}0\overline{1}}{1\overline{2}1\overline{2}}$		
111				0	$\frac{1212}{1\overline{2}2\overline{3}}$		
$\frac{112}{120}$	$(00\overline{1})$ (000)	$\frac{0}{1}$	$\frac{0}{1}$	0	$\frac{1223}{1\overline{1}00}$		
$\frac{120}{121}$	(000)	0	0	0	11111		
$\frac{121}{122}$	(000)	1	1	0	$\frac{1111}{1\overline{1}2\overline{2}}$		
$\frac{122}{200}$	$(00\overline{4})$	0	0	0	$\frac{1122}{2604}$		
$\frac{200}{201}$	(004) (004)	1	1	0	$\frac{2\overline{6}1\overline{5}}{2\overline{6}1\overline{5}}$		
202	$(00\overline{4})$	0	0	0	$\frac{2\overline{6}2\overline{6}}{2\overline{6}}$		
$\frac{202}{210}$	$(00\overline{3})$	1	1	0	$\frac{2\overline{5}0\overline{3}}{2\overline{5}0\overline{3}}$		
211	$(00\overline{3})$	0	0	0	$\frac{2\overline{5}1\overline{4}}{2\overline{5}1\overline{4}}$		
212	$(00\overline{3})$	1	1	0	$\frac{2\overline{5}2\overline{5}}{2\overline{5}}$		
220	$(00\overline{2})$	0	0	0	$2\overline{4}0\overline{2}$		
221	$(00\overline{2})$	1	1	0	$2\overline{4}1\overline{3}$		
222	$(00\overline{2})$	0	0	0	$2\overline{4}2\overline{4}$		
		189.2	$226 P_c \bar{6}$	2m Classi	fication = 1	\mathbb{Z}_M^2 $X_{\mathrm{RS}} = \mathbb{Z}$	$Z_3 ext{ SI} = z_{3m,0}^+$
\mathbb{Z}_3	weak	$\{1 00\frac{1}{2}\}*$	6^{001}	2^{010}	$Cm_{(0)}^{100}$	$\frac{-M}{Cm_{(3)}^{001}}$	~ 5111,0
0	(000)	1	1	0	$\frac{33}{3}$	$\frac{3\overline{3}00}{300}$	
0	(000)	0	0	0	$2\overline{2}$	0000	
0	(000)	0	0	0	$\overline{2}2$	0000	
1	(000)	1	1	0	11	$1\overline{1}00$	

2	(000)	0	0	0	$2\overline{2}$	$2\overline{2}00$			
		19	$0.227 P\bar{6}2a$	Classifi	$cation = \mathbb{Z}_{\Lambda}$	$_{I}$ $X_{BS} =$	$=\mathbb{Z}_3$ SI $=z_{3n}^+$	m ()	
\mathbb{Z}_3	weak	$\bar{6}^{001}_{00\frac{1}{2}}$	2^{010}	$g_{00\frac{1}{2}}^{1\overline{1}0}$	$Cm_{(3)}^{001}$			77,0	
0	(000)	$\frac{00_{\overline{2}}}{1}$	0	$\frac{-300\frac{1}{2}}{1}$	$\frac{3\overline{3}00}{3\overline{6}}$				
0	(000)	0	0	0	0000				
1	(000)	1	0	1	$1\overline{1}00$				
2	(000)	0	0	0	$2\overline{2}00$				
		190.231	$P\bar{6}2'c'$ Cla	assification	$\mathbf{n} = \mathbb{Z}_M \times \mathbb{Z}$	$X_{BS} =$	$\mathbb{Z}_{3,3}$ SI = z_3^+	- z ⁺	
$\mathbb{Z}_{3,3}$	weak	$\bar{6}^{001}_{00\frac{1}{2}}$	2010*	$g_{00\frac{1}{2}}^{1\overline{10}}*$	$Cm_{(3)}^{001}$	В	0,0 3	$m,0$ $3m,\pi$	
00	(000)	$\frac{00\frac{1}{2}}{1}$	1	0	$\frac{3\overline{3}00}{300}$				
00	(006)	1	0	3	0633				
00	(000)	0	0	0	0000				
01	(002)	1	0	1	0211				
02	(004)	0	0	2	0422				
10	(000)	1	1	0	$1\overline{1}00$				
11	(002)	0	1	1	1111				
12	(004)	1	1	2	1322				
20	(000)	0	0	0	$2\overline{2}00$				
21	(002)	1	0	1	2011				
22	(004)	0	0	2	2222				
			$0.232 P_c\bar{6}2$	c Classif		$_{I}$ $X_{BS} =$	$=\mathbb{Z}_3$ $\mathrm{SI}=z_3^+$	m,0	
\mathbb{Z}_3	weak	$\{1 00\frac{1}{2}\}*$	$\bar{6}^{001}*$	2^{010}	$m_{1\bar{1}0}*$	$Cm_{(3)}^{001}$			
0	(000)	1	0	0	0	$3\overline{3}00$			
0	(000)	0	0	0	0	0000			
1	(000)	1	0	0	0	$1\overline{1}00$			
2	(000)	0	0	0	0	$2\overline{2}00$			
		191.233	P6/mmm		eation = \mathbb{Z}_M^4		$\mathbb{Z}_{6,12}$ $SI = z$	$z_{6m,\pi}^+, z_{12}$	
$\mathbb{Z}_{6,12}$	weak	$\frac{191.233}{6^{001}}$	$P6/mmm$ 2^{010}	Classific	$\frac{\text{cation} = \mathbb{Z}_M^4}{2^{110}}$	$Cm_{(2)}^{100}$	$Cm_{(6)}^{001}$	$Cm_{(2)}^{\overline{210}}$	
0,0	(000)	6^{001}	2^{010} 0	$i \\ 0$	$2^{1\bar{1}0}$ 0	$Cm_{(2)}^{100}$ $\overline{12}, 12$	$\frac{Cm_{(6)}^{001}}{\overline{6}66\overline{6}}$	$\frac{Cm_{(2)}^{210}}{\overline{12},12}$	
$0,0 \\ 0,0$	(000)	6 ⁰⁰¹ 0 0	2 ⁰¹⁰ 0 0	<i>i</i> 0 0	2 ¹¹⁰ 0 0	$ \begin{array}{c c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ 12, \overline{12} \end{array} $	$ \begin{array}{c} Cm_{(6)}^{001} \\ \hline \overline{6666} \\ 12, \overline{12}, 0, 0 \end{array} $	$ \begin{array}{r} Cm_{(2)}^{210} \\ \hline 12,12 \\ 12,\overline{12} \end{array} $	
$ \begin{array}{c c} 0,0 \\ 0,0 \\ 0,0 \end{array} $	(000) (000) (000)	6 ⁰⁰¹ 0 0 0	2 ⁰¹⁰ 0 0 0	<i>i</i> 0 0 0 0	2 ¹¹⁰ 0 0 0	$ \begin{array}{c c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ 12, \overline{12} \\ \hline 44 \end{array} $	$ \begin{array}{r} Cm_{(6)}^{001} \\ \hline \overline{6666} \\ 12, \overline{12}, 0, 0 \\ \hline \overline{6600} \end{array} $	$ \begin{array}{r} Cm_{(2)}^{210} \\ \hline 12,12 \\ \hline 12,\overline{12} \\ \hline \overline{66} \end{array} $	
$ \begin{array}{c c} 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \end{array} $	(000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0	2 ⁰¹⁰ 0 0 0 0 0	<i>i</i> 0 0 0 0 0	2 ¹¹⁰ 0 0 0 0 0	$ \begin{array}{c c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ 12, \overline{12} \\ \hline 44 \\ \hline 22 \end{array} $	$ \begin{array}{r} Cm_{(6)}^{001} \\ \hline 6666 \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ \hline 6666 \end{array} $	$ \begin{array}{r} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, \overline{12} \\ \hline \underline{66} \\ \overline{22} \end{array} $	
$ \begin{array}{c} 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \end{array} $	(000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0	2 ⁰¹⁰ 0 0 0 0 0 0	i 0 0 0 0 0 0 0 0 0	2 ¹¹⁰ 0 0 0 0 0 0 0	$ \begin{array}{c c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ 12, \overline{12} \\ \hline 44 \\ \hline 22 \\ \hline 66 \end{array} $	$ \begin{array}{r} Cm_{(6)}^{001} \\ \hline 6666 \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ \hline 6666 \\ \hline 6600 \end{array} $	$ \begin{array}{r} Cm_{(2)}^{210} \\ \hline 12, 12 \\ 12, \overline{12} \\ \hline \underline{66} \\ \underline{22} \\ \overline{44} \end{array} $	
$ \begin{array}{c c} 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,7 \end{array} $	(000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0	2 ⁰¹⁰ 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 0 0 1	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ 12, \overline{12} \\ \hline 44 \\ \hline 22 \\ \overline{66} \\ 1\overline{1} \end{array} $	$ \begin{array}{r} Cm_{(6)}^{001} \\ \hline 6666 \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ \hline 6660 \\ \hline 6600 \\ 1\overline{1}00 \end{array} $	$ \begin{array}{r} Cm_{(2)}^{210} \\ \hline 12, 12 \\ 12, \overline{12} \\ \hline \underline{66} \\ \underline{22} \\ \overline{44} \\ 1\overline{1} \end{array} $	
$ \begin{array}{c c} 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,7 \\ 0,2 \end{array} $	(000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0	2 ⁰¹⁰ 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ 12, \overline{12} \\ \hline 44 \\ \hline 22 \\ \overline{66} \\ 1\overline{1} \\ 2\overline{2} \end{array} $	$ \begin{array}{r} Cm_{(6)}^{001} \\ \hline 6666 \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ \hline 6666 \\ \hline 6600 \\ 1\overline{1}00 \\ 2\overline{2}00 \end{array} $	$ \begin{array}{r} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, \overline{12} \\ \hline \underline{66} \\ \underline{22} \\ \overline{44} \\ \underline{11} \\ 2\overline{2} \end{array} $	
$ \begin{array}{c c} 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,7 \\ 0,2 \\ 0,9 \end{array} $	(000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ⁰¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 0 0 1 0 0 1	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ 12, \overline{12} \\ \hline 44 \\ \overline{2}2 \\ \overline{6}6 \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $	$\begin{array}{c} Cm^{001}_{(6)}\\ \hline 6666\\ 12, \overline{12}, 0, 0\\ \hline \underline{6600}\\ \hline 6666\\ \hline 6600\\ \underline{1100}\\ 2\overline{2}00\\ \hline 3\overline{3}00\\ \end{array}$	$ \begin{array}{r} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline 66 \\ \hline 22 \\ \hline 44 \\ \hline 11 \\ \hline 22 \\ \hline 3\overline{3} \end{array} $	
$ \begin{array}{c} 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,7 \\ 0,2 \\ 0,9 \\ 0,4 \end{array} $	(000) (000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ⁰¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ \hline 12, \overline{12} \\ \hline 44 \\ \hline \underline{22} \\ \hline \underline{66} \\ 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \end{array}$	$\begin{array}{c} Cm^{001}_{(6)}\\ \hline 6666\\ 12, \overline{12}, 0, 0\\ \hline 6600\\ \hline 6666\\ \hline 6600\\ \hline 1\overline{100}\\ \hline 2\overline{200}\\ \hline 3\overline{3}00\\ \hline 4\overline{4}00\\ \end{array}$	$\begin{array}{c} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, \overline{12} \\ \hline \hline 66 \\ \hline \underline{22} \\ \hline 44 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline \hline 3\overline{3} \\ \overline{44} \\ \hline \end{array}$	
$\begin{array}{c} 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ \hline 0,0 \\ 0,7 \\ \hline 0,2 \\ \hline 0,9 \\ 0,4 \\ 0,11 \\ \end{array}$	(000) (000) (000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ⁰¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 0 0 1 0 1 0 0 1	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ \hline 12, \overline{12} \\ \hline 44 \\ \hline \underline{22} \\ \hline 66 \\ \overline{11} \\ \hline \underline{22} \\ \hline 3\overline{3} \\ \overline{44} \\ \hline 5\overline{5} \\ \end{array}$	$\begin{array}{c} Cm^{001}_{(6)}\\ \hline 6666\\ \hline 12, \overline{12}, 0, 0\\ \hline 6600\\ \hline \overline{6}6\overline{6}6\\ \hline \overline{6}600\\ \hline 1\overline{1}00\\ \hline 2\overline{2}00\\ \hline 3\overline{3}00\\ \hline 4\overline{4}00\\ \hline 5\overline{5}00\\ \end{array}$	$\begin{array}{c} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, \overline{12} \\ \hline \underline{66} \\ \hline \underline{22} \\ \hline \underline{44} \\ \hline 1\overline{1} \\ \underline{22} \\ \hline \underline{33} \\ \hline \underline{44} \\ \hline \underline{55} \\ \end{array}$	
$\begin{array}{c} 0,0 \\ \hline 0,7 \\ \hline 0,2 \\ \hline 0,9 \\ \hline 0,4 \\ \hline 0,11 \\ \hline 0,6 \\ \end{array}$	(000) (000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ⁰¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ \hline 12, \overline{12} \\ \hline 44 \\ \hline \underline{22} \\ \hline \underline{66} \\ 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \end{array}$	$\begin{array}{c} Cm^{001}_{(6)}\\ \hline 6666\\ 12, \overline{12}, 0, 0\\ \hline 6600\\ \hline 6666\\ \hline 6600\\ \hline 1\overline{100}\\ \hline 2\overline{200}\\ \hline 3\overline{3}00\\ \hline 4\overline{4}00\\ \end{array}$	$\begin{array}{c} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, \overline{12} \\ \hline \hline 66 \\ \hline \underline{22} \\ \hline 44 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline \hline 3\overline{3} \\ \overline{44} \\ \hline \end{array}$	
$\begin{array}{c} 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ \hline 0,0 \\ 0,7 \\ \hline 0,2 \\ \hline 0,9 \\ 0,4 \\ 0,11 \\ \end{array}$	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ⁰¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 0 0 1 0 0 1 0 0 1 0 0 0 0 0	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ \hline 12, \overline{12} \\ \hline 44 \\ \hline \underline{22} \\ \hline 66 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \\ \end{array}$	$\begin{array}{c} Cm^{001}_{(6)}\\ \hline 6666\\ \hline 12, \overline{12}, 0, 0\\ \hline \hline 6600\\ \hline \overline{6666}\\ \hline \overline{6600}\\ \hline 1\overline{100}\\ \hline 2\overline{2}00\\ \hline 3\overline{3}00\\ \hline 4\overline{4}00\\ \hline 5\overline{5}00\\ \hline 6\overline{6}00\\ \end{array}$	$\begin{array}{c} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, \overline{12} \\ \hline \underline{66} \\ \hline \underline{22} \\ \hline \underline{44} \\ \hline 1\overline{1} \\ \underline{2\overline{2}} \\ \hline 3\overline{3} \\ \underline{4\overline{4}} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \end{array}$	
$\begin{array}{c} 0,0 \\ \hline 0,7 \\ \hline 0,2 \\ \hline 0,9 \\ \hline 0,4 \\ \hline 0,11 \\ \hline 0,6 \\ \hline 0,1 \\ \end{array}$	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ⁰¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 0 0 1 0 0 1 0 0 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ \hline 12, \overline{12} \\ \hline 44 \\ \hline \underline{2}2 \\ \hline 66 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \end{array}$	$\begin{array}{c} Cm^{001}_{(6)}\\ \hline 6666\\ \hline 12, \overline{12}, 0, 0\\ \hline \overline{6600}\\ \hline \overline{6666}\\ \hline \overline{6600}\\ \hline 1\overline{100}\\ \hline 2\overline{2}00\\ \hline 3\overline{3}00\\ \hline 4\overline{4}00\\ \hline 5\overline{5}00\\ \hline 6\overline{6}00\\ \hline 7\overline{7}00\\ \end{array}$	$\begin{array}{c} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, \overline{12} \\ \hline \underline{66} \\ \hline \underline{22} \\ \hline \underline{44} \\ \hline 1\overline{1} \\ \hline \underline{2\overline{2}} \\ \hline \underline{33} \\ \hline \underline{44} \\ \hline \underline{5\overline{5}} \\ \hline \underline{66} \\ \hline 7\overline{7} \\ \end{array}$	
$\begin{array}{c} 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,7 \\ 0,2 \\ 0,9 \\ 0,4 \\ 0,11 \\ 0,6 \\ 0,1 \\ 0,8 \\ 0,3 \\ 0,10 \\ \end{array}$	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ⁰¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline 44 \\ \hline 22 \\ \hline 66 \\ \hline 11 \\ \hline 22 \\ \hline 33 \\ \hline 44 \\ \hline 55 \\ \hline 66 \\ \hline 77 \\ \hline 88 \\ \hline \end{array}$	$\begin{array}{c} Cm^{001}_{(6)}\\ \hline 6666\\ \hline 12, \overline{12}, 0, 0\\ \hline \hline 6600\\ \hline \overline{6600}\\ \hline \overline{6600}\\ \hline 1\overline{100}\\ \hline 2\overline{2}00\\ \hline 3\overline{3}00\\ \hline 4\overline{4}00\\ \hline 5\overline{5}00\\ \hline \overline{66}00\\ \hline 7\overline{7}00\\ \hline 8\overline{8}00\\ \hline 9\overline{9}00\\ \hline 10, \overline{10}, 0, 0\\ \end{array}$	$\begin{array}{c} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline \hline 66 \\ \hline \underline{22} \\ \hline 44 \\ \hline 11 \\ \hline \underline{22} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \end{array}$	
	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2010 0 0 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 1 0 1 1 0 1	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline 44 \\ \hline \underline{22} \\ \hline 66 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline \end{array}$	$\begin{array}{c} Cm^{001}_{(6)}\\ \hline 6666\\ \hline 12, \overline{12}, 0, 0\\ \hline 6600\\ \hline 6666\\ \hline 6600\\ \hline 1\overline{1}00\\ \hline 2\overline{2}00\\ \hline 3\overline{3}00\\ \hline 4\overline{4}00\\ \hline 5\overline{5}00\\ \hline 6\overline{6}00\\ \hline 7\overline{7}00\\ \hline 8\overline{8}00\\ \hline 9\overline{9}00\\ \hline 10, \overline{10}, 0, 0\\ \hline 11, \overline{11}, 0, 0\\ \hline \end{array}$	$\begin{array}{c} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline \hline 22 \\ \hline 44 \\ \hline 11 \\ \hline 22 \\ \hline 33 \\ \hline 44 \\ \hline 55 \\ \hline 66 \\ \hline 77 \\ \hline 88 \\ \hline 99 \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline \end{array}$	
	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2010 0 0 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline 44 \\ \hline 22 \\ \hline 66 \\ \hline 11 \\ \hline 22 \\ \hline 33 \\ \hline 44 \\ \hline 55 \\ \hline 66 \\ \hline 77 \\ \hline 88 \\ \hline 99 \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline 22 \\ \\ \end{array}$	$\begin{array}{c} Cm^{001}_{(6)}\\ \hline 6666\\ \hline 12, \overline{12}, 0, 0\\ \hline 6600\\ \hline 6666\\ \hline 6600\\ \hline 1\overline{100}\\ \hline 2\overline{2}00\\ \hline 3\overline{3}00\\ \hline 4\overline{4}00\\ \hline 5\overline{5}00\\ \hline 6\overline{6}00\\ \hline 7\overline{7}00\\ \hline 8\overline{8}00\\ \hline 9\overline{9}00\\ \hline 10, \overline{10}, 0, 0\\ \hline 11, \overline{11}, 0, 0\\ \hline \hline \overline{1}11\overline{1}\\ \end{array}$	$\begin{array}{c} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline \hline 12, 12 \\ \hline \hline 66 \\ \hline 22 \\ \hline 44 \\ \hline 11 \\ \hline 22 \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline \overline{2} 2 \\ \\ \end{array}$	
	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2010 0 0 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline 44 \\ \hline 22 \\ \hline 66 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline \underline{22} \\ \hline \overline{11} \\ \end{array}$	$\begin{array}{c} Cm^{001}_{(6)}\\ \hline 6666\\ \hline 12, \overline{12}, 0, 0\\ \hline 6600\\ \hline 6666\\ \hline 6600\\ \hline 1\overline{100}\\ \hline 2\overline{2}00\\ \hline 3\overline{3}00\\ \hline 4\overline{4}00\\ \hline 5\overline{5}00\\ \hline 6\overline{6}00\\ \hline 7\overline{7}00\\ \hline 8\overline{8}00\\ \hline 9\overline{9}00\\ \hline 10, \overline{10}, 0, 0\\ \hline 11, \overline{11}, 0, 0\\ \hline \hline 111\overline{1}\\ \hline 001\overline{1}\\ \end{array}$	$\begin{array}{c} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline \hline 22 \\ \hline 44 \\ \hline 11 \\ \hline 22 \\ \hline 33 \\ \hline 44 \\ \hline 55 \\ \hline 66 \\ \hline 77 \\ \hline 88 \\ \hline 99 \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline \overline{22} \\ \hline \hline 11 \\ \hline \end{array}$	
	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2010 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ \hline 12, \overline{12} \\ \hline 44 \\ \hline \underline{2}2 \\ \hline 66 \\ 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline \underline{2}2 \\ \hline \overline{1}1 \\ \hline 00 \\ \\ \end{array}$	$\begin{array}{c} Cm^{001}_{(6)}\\ \hline 6666\\ \hline 12, \overline{12}, 0, 0\\ \hline 6600\\ \hline 6666\\ \hline 6600\\ \hline 1\overline{100}\\ \hline 2\overline{2}00\\ \hline 3\overline{3}00\\ \hline 4\overline{4}00\\ \hline 5\overline{5}00\\ \hline 6\overline{6}00\\ \hline 7\overline{7}00\\ \hline 8\overline{8}00\\ \hline 9\overline{9}00\\ \hline 10, \overline{10}, 0, 0\\ \hline 11, \overline{11}, 0, 0\\ \hline \hline 111\overline{1}\\ \hline 001\overline{1}\\ \hline 1\overline{1}1\overline{1}\\ \end{array}$	$\begin{array}{c} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline \\ 12, 12 \\ \hline \\ 66 \\ \hline \\ 22 \\ \hline \\ 44 \\ \hline \\ 1\overline{1} \\ \hline \\ 2\overline{2} \\ \hline \\ 3\overline{3} \\ \hline \\ 4\overline{4} \\ \hline \\ 5\overline{5} \\ \hline \\ 6\overline{6} \\ \hline \\ 7\overline{7} \\ \hline \\ 8\overline{8} \\ \hline \\ 9\overline{9} \\ \hline \\ 10, \overline{10} \\ \hline \\ 11, \overline{11} \\ \hline \\ \hline \\ 22 \\ \hline \\ \overline{1}1 \\ \hline \\ 00 \\ \\ \end{array}$	
$\begin{array}{c} 0,0\\ 0,0\\ 0,0\\ 0,0\\ 0,0\\ 0,7\\ 0,2\\ 0,9\\ 0,4\\ 0,11\\ 0,6\\ 0,1\\ 0,8\\ 0,3\\ 0,10\\ 0,5\\ 1,0\\ 1,7\\ 1,2\\ 1,9\\ \end{array}$	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2010 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline 44 \\ \hline \underline{22} \\ \hline 66 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline \underline{22} \\ \hline \overline{11} \\ \hline 00 \\ \hline 1\overline{1} \\ \end{array}$	$\begin{array}{c} Cm^{001}_{(6)}\\ \hline 6666\\ \hline 12, \overline{12}, 0, 0\\ \hline 6600\\ \hline 6666\\ \hline 6600\\ \hline 1\overline{100}\\ \hline 2\overline{200}\\ \hline 3\overline{3}00\\ \hline 4\overline{4}00\\ \hline 5\overline{5}00\\ \hline 6\overline{6}00\\ \hline 7\overline{7}00\\ \hline 8\overline{8}00\\ \hline 9\overline{9}00\\ \hline 10, \overline{10}, 0, 0\\ \hline 11, \overline{11}, 0, 0\\ \hline \hline 111\overline{1}\\ \hline 001\overline{1}\\ \hline 1\overline{1}1\overline{1}\\ \hline 2\overline{2}1\overline{1}\\ \end{array}$	$\begin{array}{c} Cm_{(2)}^{210}\\ \hline 12,12\\ \hline 12,12\\ \hline \hline 12,12\\ \hline \hline 66\\ \hline 22\\ \hline 44\\ \hline 11\\ \hline 22\\ \hline \hline 33\\ \hline 44\\ \hline 55\\ \hline 66\\ \hline 77\\ \hline 88\\ \hline 99\\ \hline 10,10\\ \hline 11,11\\ \hline \hline 22\\ \hline \hline 11\\ \hline 00\\ \hline 11\\ \hline \end{array}$	
$\begin{array}{c} 0,0\\ 0,0\\ 0,0\\ 0,0\\ 0,0\\ 0,7\\ 0,2\\ 0,9\\ 0,4\\ 0,11\\ 0,6\\ 0,1\\ 0,8\\ 0,3\\ 0,10\\ 0,5\\ 1,0\\ 1,7\\ 1,2\\ 1,9\\ 1,4\\ \end{array}$	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2010 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline 12, \overline{12} \\ \hline 44 \\ \hline \underline{2}2 \\ \hline 66 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline \underline{2}2 \\ \hline \overline{1}1 \\ \hline 00 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \end{array}$	$\begin{array}{c} Cm^{001}_{(6)}\\ \hline 6666\\ \hline 12, \overline{12}, 0, 0\\ \hline 6600\\ \hline 6666\\ \hline 6600\\ \hline 1\overline{100}\\ \hline 2\overline{2}00\\ \hline 3\overline{3}00\\ \hline 4\overline{4}00\\ \hline 5\overline{5}00\\ \hline 6\overline{6}00\\ \hline 7\overline{7}00\\ \hline 8\overline{8}00\\ \hline 9\overline{9}00\\ \hline 10, \overline{10}, 0, 0\\ \hline 11, \overline{11}, 0, 0\\ \hline \overline{111}\\ \hline 001\overline{1}\\ \hline 1\overline{1}\overline{1}\\ \hline 2\overline{2}1\overline{1}\\ \hline 3\overline{3}1\overline{1}\\ \end{array}$	$\begin{array}{c} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline 66 \\ \hline 22 \\ \hline 44 \\ \hline 11 \\ \hline 22 \\ \hline 33 \\ \hline 44 \\ \hline 55 \\ \hline 66 \\ \hline 77 \\ \hline 88 \\ \hline 99 \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline \hline 22 \\ \hline \overline{11} \\ \hline 00 \\ \hline 11 \\ \hline 2\overline{2} \\ \hline \end{array}$	
$\begin{array}{c} 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,7 \\ 0,2 \\ 0,9 \\ 0,4 \\ 0,11 \\ 0,6 \\ 0,1 \\ 0,8 \\ 0,3 \\ 0,10 \\ 0,5 \\ 1,0 \\ 1,7 \\ 1,2 \\ 1,9 \\ 1,4 \\ 1,11 \\ \end{array}$	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2010 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline 44 \\ \hline \underline{2}2 \\ \hline 66 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline \underline{2}2 \\ \hline \overline{1}1 \\ \hline 00 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \end{array}$	$\begin{array}{c} Cm^{001}_{(6)}\\ \hline 6666\\ \hline 12, \overline{12}, 0, 0\\ \hline 6600\\ \hline 6666\\ \hline 6600\\ \hline 1\overline{100}\\ \hline 2\overline{2}00\\ \hline 3\overline{3}00\\ \hline 4\overline{4}00\\ \hline 5\overline{5}00\\ \hline 6\overline{6}00\\ \hline 7\overline{7}00\\ \hline 8\overline{8}00\\ \hline 9\overline{9}00\\ \hline 10, \overline{10}, 0, 0\\ \hline 11, \overline{11}, 0, 0\\ \hline \overline{111}\\ \hline 001\overline{1}\\ \hline 1\overline{1}1\overline{1}\\ \hline 2\overline{2}1\overline{1}\\ \hline 3\overline{3}1\overline{1}\\ \hline 4\overline{4}1\overline{1}\\ \end{array}$	$\begin{array}{c} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline \hline 12, 12 \\ \hline \hline 66 \\ \hline 22 \\ \hline 44 \\ \hline 11 \\ \hline 22 \\ \hline 33 \\ \hline 44 \\ \hline 55 \\ \hline 66 \\ \hline 77 \\ \hline 88 \\ \hline 99 \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline \hline 22 \\ \hline \overline{11} \\ \hline 00 \\ \hline 11 \\ \hline 22 \\ \hline \hline 33 \\ \hline \end{array}$	
$\begin{array}{c} 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,7 \\ 0,2 \\ 0,9 \\ 0,4 \\ 0,11 \\ 0,6 \\ 0,1 \\ 0,8 \\ 0,3 \\ 0,10 \\ 0,5 \\ 1,0 \\ 1,7 \\ 1,2 \\ 1,9 \\ 1,4 \\ 1,11 \\ 1,6 \\ \end{array}$	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2010 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline 44 \\ \hline 22 \\ \hline 66 \\ \hline 11 \\ \hline 22 \\ \hline 33 \\ \hline 44 \\ \hline 55 \\ \hline 66 \\ \hline 77 \\ \hline 88 \\ \hline 99 \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline 22 \\ \hline \overline{11} \\ 00 \\ \hline 1\overline{1} \\ 2\overline{2} \\ \hline \overline{33} \\ \hline 44 \\ \hline \end{array}$	$\begin{array}{c} Cm^{001}_{(6)}\\ \hline 6666\\ \hline 12, \overline{12}, 0, 0\\ \hline 6600\\ \hline 6666\\ \hline 6600\\ \hline 1\overline{100}\\ \hline 2\overline{2}00\\ \hline 3\overline{3}00\\ \hline 4\overline{4}00\\ \hline 5\overline{5}00\\ \hline 6\overline{6}00\\ \hline 7\overline{7}00\\ \hline 8\overline{8}00\\ \hline 9\overline{9}00\\ \hline 10, \overline{10}, 0, 0\\ \hline 11, \overline{11}, 0, 0\\ \hline \overline{111}\\ \hline 001\overline{1}\\ \hline 1\overline{1}1\overline{1}\\ \hline 2\overline{2}1\overline{1}\\ \hline 3\overline{3}1\overline{1}\\ \hline 4\overline{4}1\overline{1}\\ \hline 5\overline{5}1\overline{1}\\ \end{array}$	$\begin{array}{c} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline \hline 66 \\ \hline 22 \\ \hline 44 \\ \hline 11 \\ \hline 22 \\ \hline 33 \\ \hline 44 \\ \hline 55 \\ \hline 66 \\ \hline 77 \\ \hline 88 \\ \hline 99 \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline 22 \\ \hline \hline 11 \\ 00 \\ \hline 11 \\ \hline 22 \\ \hline \hline 33 \\ \hline 44 \\ \hline \end{array}$	
$\begin{array}{c} 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,0 \\ 0,7 \\ 0,2 \\ 0,9 \\ 0,4 \\ 0,11 \\ 0,6 \\ 0,1 \\ 0,8 \\ 0,3 \\ 0,10 \\ 0,5 \\ 1,0 \\ 1,7 \\ 1,2 \\ 1,9 \\ 1,4 \\ 1,11 \\ \end{array}$	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2010 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	i 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 ¹¹⁰ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline 44 \\ \hline \underline{2}2 \\ \hline 66 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline \underline{2}2 \\ \hline \overline{1}1 \\ \hline 00 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \end{array}$	$\begin{array}{c} Cm^{001}_{(6)}\\ \hline 6666\\ \hline 12, \overline{12}, 0, 0\\ \hline 6600\\ \hline 6666\\ \hline 6600\\ \hline 1\overline{100}\\ \hline 2\overline{2}00\\ \hline 3\overline{3}00\\ \hline 4\overline{4}00\\ \hline 5\overline{5}00\\ \hline 6\overline{6}00\\ \hline 7\overline{7}00\\ \hline 8\overline{8}00\\ \hline 9\overline{9}00\\ \hline 10, \overline{10}, 0, 0\\ \hline 11, \overline{11}, 0, 0\\ \hline \overline{111}\\ \hline 001\overline{1}\\ \hline 1\overline{1}1\overline{1}\\ \hline 2\overline{2}1\overline{1}\\ \hline 3\overline{3}1\overline{1}\\ \hline 4\overline{4}1\overline{1}\\ \end{array}$	$\begin{array}{c} Cm_{(2)}^{210} \\ \hline 12, 12 \\ \hline 12, 12 \\ \hline \hline 12, 12 \\ \hline \hline 66 \\ \hline 22 \\ \hline 44 \\ \hline 11 \\ \hline 22 \\ \hline 33 \\ \hline 44 \\ \hline 55 \\ \hline 66 \\ \hline 77 \\ \hline 88 \\ \hline 99 \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline \hline 22 \\ \hline \overline{11} \\ \hline 00 \\ \hline 11 \\ \hline 22 \\ \hline \hline 33 \\ \hline \end{array}$	

1.9	(000)	0	0	1	0	77	0011	7 7	
1,3	(000)	0	0	1	0	7 7	8811	77	
1,10	(000)	0	0	0	0	88	9911	88	
1,5	(000)	0	0	1	0	$9\overline{9}$	$10, \overline{10}, 1, \overline{1}$	$9\overline{9}$	
2,0	(000)	0	0	0	0	$\overline{4}4$	$\overline{2}22\overline{2}$	$\overline{4}4$	
2,7	(000)	0	0	1	0	$\overline{3}3$	$\overline{1}12\overline{2}$	33	
$\overline{2,2}$	(000)	0	0	0	0	$\overline{2}2$	$002\overline{2}$	$\overline{2}2$	
2,9	(000)	0	0	1	0	<u>1</u> 1	$1\overline{1}2\overline{2}$	1 1	
$\frac{1}{2,4}$	(000)	0	0	0	0	00	$2\overline{2}2\overline{2}$	00	
$\frac{-2,11}{2,11}$	(000)	0	0	1	0	$1\overline{1}$	$\frac{-2}{3\overline{3}2\overline{2}}$	$1\overline{1}$	
$\frac{2,11}{2,6}$	(000)	0	0	0	0	$\frac{11}{2\overline{2}}$	$\frac{3522}{4\overline{4}2\overline{2}}$	$\frac{11}{2\overline{2}}$	
$\frac{2,0}{2,1}$	(000)	0	0	1	0	$\frac{22}{3\overline{3}}$	$\frac{\overline{5522}}$	$\frac{22}{3\overline{3}}$	
$\frac{2,1}{2,8}$	(000)	0	0	0	0	$\frac{35}{4\overline{4}}$	$\frac{\overline{6622}}{6622}$	$\frac{35}{4\overline{4}}$	
	/								
2,3	(000)	0	0	1	0	$5\overline{5}$	$7\overline{7}2\overline{2}$	$5\overline{5}$	
2, 10	(000)	0	0	0	0	66	$8\overline{8}2\overline{2}$	6 <u>6</u>	
2,5	(000)	0	0	1	0	$7\overline{7}$	$9\overline{9}2\overline{2}$	77	
3,0	(000)	0	0	0	0	6 6	$\overline{3}33\overline{3}$	6 6	
3, 7	(000)	0	0	1	0	$\overline{5}5$	$\overline{2}23\overline{3}$	$\overline{5}5$	
3, 2	(000)	0	0	0	0	$\overline{4}4$	$\overline{1}13\overline{3}$	$\overline{4}4$	
3,9	(000)	0	0	1	0	33	$003\overline{3}$	33	
3,4	(000)	0	0	0	0	$\overline{2}2$	$1\overline{1}3\overline{3}$	$\overline{2}2$	
3,11	(000)	0	0	1	0	<u>1</u> 1	$2\overline{2}3\overline{3}$	<u>1</u> 1	
$\frac{-3}{3,6}$	(000)	0	0	0	0	00	$3\overline{3}3\overline{3}$	00	
$\frac{3, 5}{3, 1}$	(000)	0	0	1	0	$\frac{\overline{11}}{1}$	$\frac{4\overline{4}3\overline{3}}{\overline{3}}$	$\frac{\overline{11}}{1}$	
$\frac{-3,1}{3,8}$	(000)	0	0	0	0	$\frac{11}{2\overline{2}}$	$\frac{5\overline{5}3\overline{3}}{5}$	$\frac{11}{2\overline{2}}$	
$\frac{-3, 0}{3, 3}$	(000)	0	0	1	0	$\frac{22}{3\overline{3}}$	$\frac{6\overline{6}3\overline{3}}{6}$	$\frac{22}{3\overline{3}}$	
$\frac{3,3}{3,10}$	(000)	0	0	0	0	$\frac{35}{4\overline{4}}$	$\frac{7\overline{7}3\overline{3}}{7\overline{3}}$	$\frac{35}{4\overline{4}}$	
	/								
3, 5	(000)	0	0	1	0	$\frac{5\overline{5}}{\overline{5}}$	8833	$\frac{5\overline{5}}{\overline{5}}$	
4,0	(000)	0	0	0	0	88	<u>4444</u>	88	
4,7	(000)	0	0	1	0	77	$\frac{\overline{3}34\overline{4}}{\overline{3}34\overline{4}}$	77	
4, 2	(000)	0	0	0	0	<u>6</u> 6	$\overline{2}24\overline{4}$	<u>6</u> 6	
4,9	(000)	0	0	1	0	<u>5</u> 5	$\overline{1}14\overline{4}$	<u>5</u> 5	
4, 4	(000)	0	0	0	0	$\overline{4}4$	$004\overline{4}$	<u>4</u> 4	
4,11	(000)	0	0	1	0	33	$1\overline{1}4\overline{4}$	33	
4,6	(000)	0	0	0	0	$\overline{2}2$	$2\overline{2}4\overline{4}$	$\overline{2}2$	
4, 1	(000)	0	0	1	0	$\overline{1}1$	$3\overline{3}4\overline{4}$	$\overline{1}1$	
4,8	(000)	0	0	0	0	00	$4\overline{4}4\overline{4}$	00	
4,3	(000)	0	0	1	0	$1\overline{1}$	$5\overline{5}4\overline{4}$	$1\overline{1}$	
4, 10	(000)	0	0	0	0	$2\overline{2}$	$6\overline{6}4\overline{4}$	$2\overline{2}$	
-4, 5	(000)	0	0	1	0	$3\overline{3}$	$7\overline{7}4\overline{4}$	$3\overline{3}$	
5,0	(000)	0	0	0	0	$\overline{10}, 10$	$\overline{5}55\overline{5}$	10, 10	
$\frac{1}{5,7}$	(000)	0	0	1	0	$\frac{-99}{9}$	$\overline{4}45\overline{5}$	99	
$\frac{-5,2}{5,2}$	(000)	0	0	0	0	88	$\overline{3}35\overline{5}$	88	
$\frac{-5,2}{5,9}$	(000)	0	0	1	0	$\frac{\overline{77}}{77}$	$\frac{\overline{2}25\overline{5}}{\overline{2}}$	$\frac{3}{7}$	
$\frac{-5, 6}{5, 4}$	(000)	0	0	0	0		$\frac{2255}{1155}$	<u></u>	
$\frac{-5,1}{5,11}$	(000)	0	0	1	0	$\frac{\overline{55}}{5}$	$\frac{005\overline{5}}{}$	$\frac{\overline{55}}{55}$	
$\frac{-5,11}{5,6}$	(000)	0	0	0	0	$\frac{35}{44}$	$\frac{1\overline{1}5\overline{5}}{1}$	$\frac{35}{44}$	
	\ /								
$\frac{5,1}{5,0}$	(000)	0	0	1	0	$\frac{\overline{3}3}{\overline{2}2}$	$\frac{2\overline{2}5\overline{5}}{2\overline{2}\overline{5}}$	$\frac{\overline{3}3}{\overline{5}0}$	
$\frac{5,8}{5,8}$	(000)	0	0	0	0	$\frac{\overline{2}2}{\overline{1}1}$	$3\overline{3}5\overline{5}$	$\frac{\overline{2}2}{\overline{1}1}$	
5,3	(000)	0	0	1	0	11	$4\overline{455}$	11	
5,10	(000)	0	0	0	0	00	5 <u>5</u> 5 <u>5</u>	00	
5,5	(000)	0	0	1	0	$1\overline{1}$	$6\overline{6}5\overline{5}$	11	
		191.236	P6'/mm'm	Classi	fication = \mathbb{Z}_M^3	X _{BS} =	$=\mathbb{Z}_{3,3}$ SI $=z$	$z_{3m,0}^{+}, \overline{z_{3m,\pi}^{+}}$	
$\overline{\mathbb{Z}_{3,3}}$	weak	6001*	2010	i*	2 ¹¹⁰ *	$Cm_{(0)}^{100}$	$Cm_{(3)}^{001}$		
00	(000)	1	0	0	1	$\frac{3\overline{3}}{3}$	$\frac{3\overline{3}00}{3\overline{6}}$		
00	(000)	1	0	0	1	$\frac{33}{33}$	$\frac{3500}{003\overline{3}}$		
	(000)	1	U	U	1	აა	0000		

00	(000)	0	0	0	0	$2\overline{2}$	0000		
00	(000)	1	0	0	1	<u>1</u> 1	$00\overline{3}\underline{3}$		
01	(000)	1	0	0	1	<u>1</u> 1	$001\overline{1}$		
02	(000)	0	0	0	0	$\overline{2}2$	$002\overline{2}$		
10	(000)	1	0	0	1	$1\overline{1}$	$1\overline{1}00$		
11	(000)	0	0	0	0	00	$1\overline{1}1\overline{1}$		
12	(000)	1	0	0	1	$\overline{1}1$	$1\overline{1}2\overline{2}$		
20	(000)	0	0	0	0	$2\overline{2}$	$2\overline{2}00$		
21	(000)	1	0	0	1	$1\overline{1}$	$2\overline{2}1\overline{1}$		
22	(000)	0	0	0	0	00	$2\overline{2}2\overline{2}$		
		191.237	P6'/mmm'	Classific	eation = \mathbb{Z}_M^3	Xpc:	$=\mathbb{Z}_{3,3}$ $\mathrm{SI}=z_3$	+ + +	
$\overline{\mathbb{Z}_{3,3}}$	weak	6001*	2 ⁰¹⁰ *	i*	$\frac{2^{110}}{2^{110}}$	$m_{010}*$	$Cm_{(3)}^{001}$	$\frac{3m,0}{Cm_{(0)}^{210}}$	
00	(000)	1	1	0	0	0	$\frac{3\overline{3}00}{3}$	$\frac{3\overline{3}}{3}$	
00	(000)	1	1	0	0	0	$\frac{3300}{003\overline{3}}$	<u>3</u> 3	
00	(000)	1	1	0	0	0	$00\overline{3}$	<u> </u>	
00	(000)		0	0	0	0	0000	$\frac{11}{2\overline{2}}$	
	\ /	0					$0000 \over 001\overline{1}$	$\frac{22}{11}$	
01	(000)	1	1	0	0	0			
02	(000)	0	0	0	0	0	$002\overline{2}$	$\overline{22}$	
10	(000)	1	1	0	0	0	$1\overline{1}00$	11	
11	(000)	0	0	0	0	0	1 <u>1</u> 1 <u>1</u>	00	
12	(000)	1	1	0	0	0	$1\overline{1}2\overline{2}$	<u>1</u> 1	
20	(000)	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}$	
21	(000)	1	1	0	0	0	$2\overline{2}1\overline{1}$	11	
22	(000)	0	0	0	0	0	$2\overline{2}2\overline{2}$	00	
		191.2		n'm Cla	assification =		$X_{BS} = \mathbb{Z}_2$ SI:	$=z_{2P}'$	
\mathbb{Z}_2	weak	6 ⁰⁰¹ *	$2^{010}*$	i	$2^{1\bar{1}0}$	$Cm_{(2)}^{100}$			
0	(000)	0	0	0	0	$2\overline{2}$			
0	(000)	0	0	0	0	$2\overline{2}$			
1	(000)	1	1	1	0	$1\overline{1}$			
		191.2	P6'/m'r	nm' Cl:	assification =	= Z _M	$X_{BS} = \mathbb{Z}_2$ SI :	$=z'_{0D}$	
$\overline{\mathbb{Z}_2}$	weak	6001*	2^{010}	$\frac{i}{i}$	2 ¹¹⁰ *	$m_{010}*$	$\frac{Cm_{(2)}^{210}}{Cm_{(2)}^{210}}$	~2P	
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$		
0	(000)	0	0	0	0	0	$\frac{22}{2\overline{2}}$		
1	(000)	1	0	1	1	0	$\frac{22}{1\overline{1}}$		
	/								
		$\frac{240 P6/n}{221}$	nm'm' Class		$=\mathbb{Z}_{M}^{2}\times\mathbb{Z}$		$\mathbb{Z}_{6,6,6}$ SI = z_6	$z_{6m,0}^+, z_{6m,0}^-, z_{6m,\pi}^+$	
$\mathbb{Z}_{6,6,6}$	weak	6^{001}	$2^{010}*$	i	$2^{110}*$	$m_{010}*$	$Cm_{(6)}^{001}$		
000	(0030)	0	0	0	0	0	$6, \overline{36}, 0, \overline{30}$		
000	$(00\overline{6})$	0	0	0	0	0	0606		
000	(000)	0	0	0	0	0	$006\overline{6}$		
000	(000)	0	0	0	0	0	$00\overline{6}6$		
001	(000)	0	1	1	1	0	$001\overline{1}$		
002	(000)	0	0	0	0	0	$002\overline{2}$		
003	(000)	0	1	1	1	0	$003\overline{3}$		
004	(000)	0	0	0	0	0	$004\overline{4}$		
005	(000)	0	1	1	1	0	$005\overline{5}$		
010	$(00\overline{1})$	0	1	1	1	0	0101		
011	$(00\overline{1})$	0	0	0	0	0	0110		
012	$(00\overline{1})$	0	1	1	1	0	$012\overline{1}$		
013	$(00\overline{1})$	0	0	0	0	0	$013\overline{2}$		
014	$(00\overline{1})$	0	1	1	1	0	$014\overline{3}$		
015	$(00\overline{1})$	0	0	0	0	0	$015\overline{4}$		
020	$(00\overline{2})$	0	0	0	0	0	0202		
021	$(00\overline{2})$	0	1	1	1	0	0211		

022	$(00\overline{2})$	0	0	0	0	0	0220	
$\frac{022}{023}$	(002) $(00\overline{2})$	0	1	1	1	0	$\frac{0220}{023\overline{1}}$	
$\frac{023}{024}$	(002) $(00\overline{2})$	0	0	0	0	0	$\frac{0231}{024\overline{2}}$	
$\frac{024}{025}$	(002) $(00\overline{2})$	0	1	1	1	0	$\frac{0242}{025\overline{3}}$	
030	(002) (003)	0	1	1	1	0	0303	
$\frac{030}{031}$	$(00\overline{3})$	0	0	0	0	0	0312	
$\frac{-031}{032}$	$(00\overline{3})$	0	1	1	1	0	0321	
033	$(00\overline{3})$	0	0	0	0	0	0330	
034	(003)	0	1	1	1	0	$\frac{0330}{034\overline{1}}$	
$\frac{034}{035}$	$(00\overline{3})$	0	0	0	0	0	$\frac{0341}{035\overline{2}}$	
$\frac{-035}{040}$	$(00\overline{4})$	0	0	0	0	0	0404	
$\frac{040}{041}$	(004) (004)	0	1	1	1	0	0413	
$\frac{041}{042}$	(004) (004)	0	0	0	0	0	0413	
$\frac{042}{043}$	(004) (004)	0	1	1	1	0	0431	
$\frac{043}{044}$	(004) $(00\overline{4})$	0	0	0	0	0	0440	
$\frac{044}{045}$	(004) $(00\overline{4})$	0		1	1	0	$\frac{0440}{0451}$	
$\frac{045}{050}$	(004) (005)		1		1	0	0505	
$\frac{050}{051}$	(005) (005)	0	1	1		0	0514	
$\frac{051}{052}$	(005) (005)	0	0	0	0	0	0523	
	\ /	0	1	1				
053	$(00\overline{5})$	0	0	0	0	0	0532	
054	$(00\overline{5})$	0	1	1	1	0	0541	
055	$(00\overline{5})$	0	0	0	0	0	0550 1 0 0 5	
100	(005)	0	0	0	0	0	$1\overline{6}0\overline{5}$	
101	(005)	0	1	1	1	0	1 6 1 6	
102	(005)	0	0	0	0	0	$1\overline{6}2\overline{7}$	
103	(005)	0	1	1	1	0	$1\overline{6}3\overline{8}$	
104	(005)	0	0	0	0	0	1649	
105	(005)	0	1	1	1	0	$1, \overline{6}, 5, \overline{10}$	
110	(004)	0	1	1	1	0	$1\overline{5}0\overline{4}$	
110 111	(004) (004)	0	1 0	1 0	1 0	0	$ \begin{array}{r} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \end{array} $	
110 111 112	(004) (004) (004)	0 0 0	1 0 1	1 0 1	1 0 1	0 0 0	$ \begin{array}{r} 150\overline{4} \\ 151\overline{5} \\ 152\overline{6} \end{array} $	
110 111 112 113	(004) (004) (004) (004)	0 0 0 0	1 0 1 0	1 0 1 0	1 0 1 0	0 0 0 0	$ \begin{array}{r} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \end{array} $	
110 111 112 113 114	(004) (004) (004) (004) (004)	0 0 0 0	1 0 1 0 1	1 0 1 0	1 0 1 0	0 0 0 0	$ \begin{array}{r} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \end{array} $	
110 111 112 113 114 115	(004) (004) (004) (004) (004) (004)	0 0 0 0 0	1 0 1 0 1	1 0 1 0 1 0	1 0 1 0 1 0	0 0 0 0 0	$ \begin{array}{r} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \end{array} $	
110 111 112 113 114 115 120	(004) (004) (004) (004) (004) (004) (003)	0 0 0 0 0 0	1 0 1 0 1 0 0	1 0 1 0 1 0 0	1 0 1 0 1 0 0	0 0 0 0 0 0	$ \begin{array}{r} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \\ 1\overline{4}0\overline{3} \end{array} $	
110 111 112 113 114 115 120 121	(004) (004) (004) (004) (004) (004) (003) (003)	0 0 0 0 0 0 0	1 0 1 0 1 0 0 0	1 0 1 0 1 0 0	1 0 1 0 1 0 0 0	0 0 0 0 0 0 0	$ \begin{array}{r} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \\ 1\overline{4}0\overline{3} \\ 1\overline{4}1\overline{4} \end{array} $	
110 111 112 113 114 115 120 121 122	(004) (004) (004) (004) (004) (004) (003) (003) (003)	0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 0 1	1 0 1 0 1 0 0 0 1	1 0 1 0 1 0 0 0 1	0 0 0 0 0 0 0 0	$ \begin{array}{r} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \\ 1\overline{4}0\overline{3} \\ 1\overline{4}1\overline{4} \\ 1\overline{4}2\overline{5} \end{array} $	
110 111 112 113 114 115 120 121 122 123	(004) (004) (004) (004) (004) (004) (003) (003) (003) (003)	0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 0 1	1 0 1 0 1 0 0 0 1	1 0 1 0 1 0 0 0 1	0 0 0 0 0 0 0 0	$ \begin{array}{r} 150\overline{4} \\ 151\overline{5} \\ 152\overline{6} \\ 153\overline{7} \\ 154\overline{8} \\ 155\overline{9} \\ 140\overline{3} \\ 141\overline{4} \\ 142\overline{5} \\ 143\overline{6} \end{array} $	
110 111 112 113 114 115 120 121 122 123 124	(004) (004) (004) (004) (004) (004) (003) (003) (003) (003) (003)	0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 0 1 0 1	1 0 1 0 1 0 0 0 1 0 1	1 0 1 0 1 0 0 0 1 0 1	0 0 0 0 0 0 0 0 0	$ \begin{array}{r} 150\overline{4} \\ 151\overline{5} \\ 152\overline{6} \\ 153\overline{7} \\ 154\overline{8} \\ 155\overline{9} \\ 140\overline{3} \\ 141\overline{4} \\ 142\overline{5} \\ 143\overline{6} \\ 144\overline{7} \end{array} $	
110 111 112 113 114 115 120 121 122 123 124 125	(004) (004) (004) (004) (004) (004) (003) (003) (003) (003) (003) (003)	0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 1 0 1 0	1 0 1 0 1 0 0 1 0 1 0	1 0 1 0 1 0 0 1 0 1 0	0 0 0 0 0 0 0 0 0 0	$ \begin{array}{r} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \\ 1\overline{4}0\overline{3} \\ 1\overline{4}1\overline{4} \\ 1\overline{4}2\overline{5} \\ 1\overline{4}3\overline{6} \\ 1\overline{4}4\overline{7} \\ 1\overline{4}5\overline{8} \end{array} $	
110 111 112 113 114 115 120 121 122 123 124 125 130	(004) (004) (004) (004) (004) (003) (003) (003) (003) (003) (003) (003)	0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 1 0 1 0 1	1 0 1 0 1 0 0 1 0 1 0	1 0 1 0 1 0 0 1 0 1 0	0 0 0 0 0 0 0 0 0 0	$ \begin{array}{r} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \\ 1\overline{4}0\overline{3} \\ 1\overline{4}1\overline{4} \\ 1\overline{4}2\overline{5} \\ 1\overline{4}3\overline{6} \\ 1\overline{4}4\overline{7} \\ 1\overline{4}5\overline{8} \\ 1\overline{3}0\overline{2} \end{array} $	
110 111 112 113 114 115 120 121 122 123 124 125 130 131	(004) (004) (004) (004) (004) (003) (003) (003) (003) (003) (003) (003) (002)	0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 1 0 1 0 1 0	1 0 1 0 1 0 0 1 0 1 0 1 0	1 0 1 0 1 0 0 1 0 1 0 1 0	0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{r} 150\overline{4} \\ 151\overline{5} \\ 152\overline{6} \\ 153\overline{7} \\ 154\overline{8} \\ 155\overline{9} \\ 140\overline{3} \\ 141\overline{4} \\ 142\overline{5} \\ 143\overline{6} \\ 144\overline{7} \\ 145\overline{8} \\ 130\overline{2} \\ 131\overline{3} \end{array} $	
110 111 112 113 114 115 120 121 122 123 124 125 130 131 132	(004) (004) (004) (004) (004) (003) (003) (003) (003) (003) (003) (003) (002) (002)	0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 1 0 1 0 1 0 1	1 0 1 0 1 0 0 1 0 1 0 1 0 1	1 0 1 0 1 0 0 1 0 1 0 1 0 1	0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{r} 150\overline{4} \\ 151\overline{5} \\ 152\overline{6} \\ 153\overline{7} \\ 154\overline{8} \\ 155\overline{9} \\ 140\overline{3} \\ 141\overline{4} \\ 142\overline{5} \\ 143\overline{6} \\ 144\overline{7} \\ 145\overline{8} \\ 130\overline{2} \\ 131\overline{3} \\ 132\overline{4} \end{array} $	
110 111 112 113 114 115 120 121 122 123 124 125 130 131 132 133	(004) (004) (004) (004) (004) (004) (003) (003) (003) (003) (003) (003) (002) (002) (002)	0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 1 0 1 0 1 1 0 1 0	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{r} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \\ 1\overline{4}0\overline{3} \\ 1\overline{4}1\overline{4} \\ 1\overline{4}2\overline{5} \\ 1\overline{4}3\overline{6} \\ 1\overline{4}4\overline{7} \\ 1\overline{4}5\overline{8} \\ 1\overline{3}0\overline{2} \\ 1\overline{3}1\overline{3} \\ 1\overline{3}2\overline{4} \\ 1\overline{3}3\overline{5} \end{array} $	
110 111 112 113 114 115 120 121 122 123 124 125 130 131 132 133 134	(004) (004) (004) (004) (004) (004) (003) (003) (003) (003) (003) (003) (002) (002) (002) (002)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 1 0 1 0 1 1 0 1 0 1 0 1 0	1 0 1 0 1 0 0 1 0 1 0 1 1 0 1 0 1	1 0 1 0 1 0 0 1 0 1 0 1 1 0 1 0 1 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{r} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \\ 1\overline{4}0\overline{3} \\ 1\overline{4}1\overline{4} \\ 1\overline{4}2\overline{5} \\ 1\overline{4}3\overline{6} \\ 1\overline{4}4\overline{7} \\ 1\overline{4}5\overline{8} \\ 1\overline{3}0\overline{2} \\ 1\overline{3}1\overline{3} \\ 1\overline{3}2\overline{4} \\ 1\overline{3}3\overline{5} \\ 1\overline{3}4\overline{6} \end{array} $	
110 111 112 113 114 115 120 121 122 123 124 125 130 131 132 133 134 135	(004) (004) (004) (004) (004) (004) (003) (003) (003) (003) (003) (003) (002) (002) (002) (002) (002) (002)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 0 1 0 1 0 0 1 0 0 1 0 0 1	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{r} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \\ 1\overline{4}0\overline{3} \\ 1\overline{4}1\overline{4} \\ 1\overline{4}2\overline{5} \\ 1\overline{4}3\overline{6} \\ 1\overline{4}4\overline{7} \\ 1\overline{4}5\overline{8} \\ 1\overline{3}0\overline{2} \\ 1\overline{3}1\overline{3} \\ 1\overline{3}2\overline{4} \\ 1\overline{3}3\overline{5} \\ 1\overline{3}4\overline{6} \\ 1\overline{3}5\overline{7} \end{array} $	
110 111 112 113 114 115 120 121 122 123 124 125 130 131 132 133 134 135 140	(004) (004) (004) (004) (004) (004) (003) (003) (003) (003) (003) (002) (002) (002) (002) (002) (002) (002) (002)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 1 0 1 0 1 1 0 1 0 1 0 1 0	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \\ 1\overline{4}0\overline{3} \\ 1\overline{4}1\overline{4} \\ 1\overline{4}2\overline{5} \\ 1\overline{4}3\overline{6} \\ 1\overline{4}4\overline{7} \\ 1\overline{4}5\overline{8} \\ 1\overline{3}0\overline{2} \\ 1\overline{3}1\overline{3} \\ 1\overline{3}2\overline{4} \\ 1\overline{3}3\overline{5} \\ 1\overline{3}4\overline{6} \\ 1\overline{3}5\overline{7} \\ 1\overline{2}0\overline{1} \\ \end{array}$	
110 111 112 113 114 115 120 121 122 123 124 125 130 131 132 133 134 135 140 141	(004) (004) (004) (004) (004) (004) (003) (003) (003) (003) (003) (002) (002) (002) (002) (002) (002) (002) (001) (001)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{r} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \\ 1\overline{4}0\overline{3} \\ 1\overline{4}1\overline{4} \\ 1\overline{4}2\overline{5} \\ 1\overline{4}3\overline{6} \\ 1\overline{4}4\overline{7} \\ 1\overline{4}5\overline{8} \\ 1\overline{3}0\overline{2} \\ 1\overline{3}1\overline{3} \\ 1\overline{3}2\overline{4} \\ 1\overline{3}3\overline{5} \\ 1\overline{3}4\overline{6} \\ 1\overline{3}5\overline{7} \\ 1\overline{2}0\overline{1} \\ 1\overline{2}1\overline{2} \\ \end{array}$	
110 111 112 113 114 115 120 121 122 123 124 125 130 131 132 133 134 135 140 141 142	(004) (004) (004) (004) (004) (004) (003) (003) (003) (003) (003) (003) (002) (002) (002) (002) (002) (002) (001) (001)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 1 0 1 0 1 1 0 1 0 1 0 1 0	1 0 1 0 1 0 0 1 0 1 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 1 0 1 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{r} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \\ 1\overline{4}0\overline{3} \\ 1\overline{4}1\overline{4} \\ 1\overline{4}2\overline{5} \\ 1\overline{4}3\overline{6} \\ 1\overline{4}4\overline{7} \\ 1\overline{4}5\overline{8} \\ 1\overline{3}0\overline{2} \\ 1\overline{3}1\overline{3} \\ 1\overline{3}2\overline{4} \\ 1\overline{3}3\overline{5} \\ 1\overline{3}4\overline{6} \\ 1\overline{3}5\overline{7} \\ 1\overline{2}0\overline{1} \\ 1\overline{2}1\overline{2} \\ 1\overline{2}2\overline{3} \\ \end{array}$	
110 111 112 113 114 115 120 121 122 123 124 125 130 131 132 133 134 135 140 141 142 143	(004) (004) (004) (004) (004) (004) (003) (003) (003) (003) (003) (003) (002) (002) (002) (002) (002) (002) (001) (001) (001)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 1 0 1 0 1 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0	1 0 1 0 1 0 0 1 0 1 0 1 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 1 0	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{r} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \\ 1\overline{4}0\overline{3} \\ 1\overline{4}1\overline{4} \\ 1\overline{4}2\overline{5} \\ 1\overline{4}3\overline{6} \\ 1\overline{4}4\overline{7} \\ 1\overline{4}5\overline{8} \\ 1\overline{3}0\overline{2} \\ 1\overline{3}1\overline{3} \\ 1\overline{3}2\overline{4} \\ 1\overline{3}3\overline{5} \\ 1\overline{3}4\overline{6} \\ 1\overline{3}5\overline{7} \\ 1\overline{2}0\overline{1} \\ 1\overline{2}1\overline{2} \\ 1\overline{2}2\overline{3} \\ 1\overline{2}3\overline{4} \\ \end{array}$	
110 111 112 113 114 115 120 121 122 123 124 125 130 131 132 133 134 135 140 141 142 143 144	(004) (004) (004) (004) (004) (004) (003) (003) (003) (003) (003) (003) (002) (002) (002) (002) (002) (002) (001) (001) (001)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 1	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{r} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \\ 1\overline{4}0\overline{3} \\ 1\overline{4}1\overline{4} \\ 1\overline{4}2\overline{5} \\ 1\overline{4}3\overline{6} \\ 1\overline{4}4\overline{7} \\ 1\overline{4}5\overline{8} \\ 1\overline{3}0\overline{2} \\ 1\overline{3}1\overline{3} \\ 1\overline{3}2\overline{4} \\ 1\overline{3}3\overline{5} \\ 1\overline{3}4\overline{6} \\ 1\overline{3}5\overline{7} \\ 1\overline{2}0\overline{1} \\ 1\overline{2}1\overline{2} \\ 1\overline{2}2\overline{3} \\ 1\overline{2}3\overline{4} \\ 1\overline{2}4\overline{5} \\ \end{array}$	
110 111 112 113 114 115 120 121 122 123 124 125 130 131 132 133 134 135 140 141 142 143 144 145	(004) (004) (004) (004) (004) (004) (003) (003) (003) (003) (003) (002) (002) (002) (002) (002) (002) (001) (001) (001) (001)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 1 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \\ 1\overline{4}0\overline{3} \\ 1\overline{4}1\overline{4} \\ 1\overline{4}2\overline{5} \\ 1\overline{4}3\overline{6} \\ 1\overline{4}4\overline{7} \\ 1\overline{4}5\overline{8} \\ 1\overline{3}0\overline{2} \\ 1\overline{3}1\overline{3} \\ 1\overline{3}2\overline{4} \\ 1\overline{3}3\overline{5} \\ 1\overline{3}4\overline{6} \\ 1\overline{3}5\overline{7} \\ 1\overline{2}0\overline{1} \\ 1\overline{2}1\overline{2} \\ 1\overline{2}2\overline{3} \\ 1\overline{2}3\overline{4} \\ 1\overline{2}4\overline{5} \\ 1\overline{2}5\overline{6} \\ \end{array}$	
110 111 112 113 114 115 120 121 122 123 124 125 130 131 132 133 134 135 140 141 142 143 144 145 150	(004) (004) (004) (004) (004) (004) (003) (003) (003) (003) (003) (002) (002) (002) (002) (002) (002) (001) (001) (001) (001) (001) (000)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \\ 1\overline{4}0\overline{3} \\ 1\overline{4}1\overline{4} \\ 1\overline{4}2\overline{5} \\ 1\overline{4}3\overline{6} \\ 1\overline{4}4\overline{7} \\ 1\overline{4}5\overline{8} \\ 1\overline{3}0\overline{2} \\ 1\overline{3}1\overline{3} \\ 1\overline{3}2\overline{4} \\ 1\overline{3}3\overline{5} \\ 1\overline{3}4\overline{6} \\ 1\overline{3}5\overline{7} \\ 1\overline{2}0\overline{1} \\ 1\overline{2}1\overline{2} \\ 1\overline{2}2\overline{3} \\ 1\overline{2}3\overline{4} \\ 1\overline{2}4\overline{5} \\ 1\overline{2}5\overline{6} \\ 1\overline{1}00 \\ \end{array}$	
110 111 112 113 114 115 120 121 122 123 124 125 130 131 132 133 134 135 140 141 142 143 144 145	(004) (004) (004) (004) (004) (004) (003) (003) (003) (003) (003) (002) (002) (002) (002) (002) (002) (001) (001) (001) (001)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 1	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1	1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 1 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 1\overline{5}0\overline{4} \\ 1\overline{5}1\overline{5} \\ 1\overline{5}2\overline{6} \\ 1\overline{5}3\overline{7} \\ 1\overline{5}4\overline{8} \\ 1\overline{5}5\overline{9} \\ 1\overline{4}0\overline{3} \\ 1\overline{4}1\overline{4} \\ 1\overline{4}2\overline{5} \\ 1\overline{4}3\overline{6} \\ 1\overline{4}4\overline{7} \\ 1\overline{4}5\overline{8} \\ 1\overline{3}0\overline{2} \\ 1\overline{3}1\overline{3} \\ 1\overline{3}2\overline{4} \\ 1\overline{3}3\overline{5} \\ 1\overline{3}4\overline{6} \\ 1\overline{3}5\overline{7} \\ 1\overline{2}0\overline{1} \\ 1\overline{2}1\overline{2} \\ 1\overline{2}2\overline{3} \\ 1\overline{2}3\overline{4} \\ 1\overline{2}4\overline{5} \\ 1\overline{2}5\overline{6} \\ \end{array}$	

153	(000)	0	0	0	0	0	$1\overline{1}3\overline{3}$	
154	(000)	0	1	1	1	0	$1\overline{1}4\overline{4}$	
155	(000)	0	0	0	0	0	$1\overline{1}5\overline{5}$	
200	(0010)	0	0	0	0	0	$2, \overline{12}, 0, \overline{10}$	
201	(0010)	0	1	1	1	0	$2, \overline{12}, 1, \overline{11}$	
202	(0010)	0	0	0	0	0	$2, \overline{12}, 2, \overline{12}$	
203	(0010)	0	1	1	1	0	$2, \overline{12}, 3, \overline{13}$	
204	(0010)	0	0	0	0	0	$2,\overline{12},4,\overline{14}$	
205	(0010)	0	1	1	1	0	$\frac{2}{2}, \frac{12}{12}, \frac{1}{5}, \frac{11}{15}$	
210	(009)	0	1	1	1	0	$2,\overline{11},0,\overline{9}$	
$\frac{210}{211}$	(009)	0	0	0	0	0	$\frac{2,11,0,0}{2,\overline{11},1,\overline{10}}$	
$\frac{211}{212}$	(009)	0	1	1	1	0	$\frac{2}{11}, \frac{1}{11}, \frac{1}{11}$	
$\frac{212}{213}$	(009)	0	0	0	0	0	$\frac{2}{11}, \frac{11}{11}, \frac{2}{11}$	
$\frac{213}{214}$	/							
	(009)	0	1	1	1	0	$2, \overline{11}, 4, \overline{13}$	
215	(009)	0	0	0	0	0	$2,\overline{11},5,\overline{14}$	
220	(008)	0	0	0	0	0	$2,\overline{10},0,\overline{8}$	
221	(008)	0	1	1	1	0	$2,\overline{10},1,\overline{9}$	
222	(008)	0	0	0	0	0	$2, \overline{10}, 2, \overline{10}$	
223	(008)	0	1	1	1	0	$2,\overline{10},3,\overline{11}$	
224	(008)	0	0	0	0	0	$2,\overline{10},4,\overline{12}$	
225	(008)	0	1	1	1	0	$2,\overline{10},5,\overline{13}$	
230	(007)	0	1	1	1	0	$2\overline{9}0\overline{7}$	
231	(007)	0	0	0	0	0	$2\overline{9}1\overline{8}$	
232	(007)	0	1	1	1	0	$2\overline{9}2\overline{9}$	
233	(007)	0	0	0	0	0	$2, \overline{9}, 3, \overline{10}$	
234	(007)	0	1	1	1	0	$2, \overline{9}, 4, \overline{11}$	
235	(007)	0	0	0	0	0	$2,\overline{9},\overline{5},\overline{12}$	
240	(006)	0	0	0	0	0	$280\overline{6}$	
241	(006)	0	1	1	1	0	$\frac{2\overline{8}1\overline{7}}{2\overline{8}1\overline{7}}$	
242	(006)	0	0	0	0	0	$\frac{2\overline{8}2\overline{8}}{2\overline{8}}$	
243	(006)	0	1	1	1	0	$\frac{2\overline{839}}{2\overline{839}}$	
$\frac{243}{244}$	(006)	0	0	0	0	0	$2, \overline{8}, 4, \overline{10}$	
$\frac{244}{245}$	(006)	0	1	1	1	0	$2, \overline{8}, \overline{5}, \overline{11}$	
$\frac{240}{250}$	(005)	0	1	1	1	0	$\frac{2,6,6,11}{2\overline{7}0\overline{5}}$	
$\frac{250}{251}$	\ /						$\frac{2703}{2716}$	
	(005)	0	0	0	0	0		
252	(005)	0	1	1	1	0	2727	
253	(005)	0	0	0	0	0	2738 2747	
254	(005)	0	1	1	1	0	2749	
255	(005)	0	0	0	0	0	$2,\overline{7},5,\overline{10}$	
300	(0015)	0	0	0	0	0	$3, \overline{18}, 0, \overline{15}$	
301	(0015)	0	1	1	1	0	$3, \overline{18}, 1, \overline{16}$	
302	(0015)	0	0	0	0	0	$3, \overline{18}, 2, \overline{17}$	
303	(0015)	0	1	1	1	0	$3, \overline{18}, 3, \overline{18}$	
304	(0015)	0	0	0	0	0	$3, \overline{18}, 4, \overline{19}$	
305	(0015)	0	1	1	1	0	$3, \overline{18}, 5, \overline{20}$	
310	(0014)	0	1	1	1	0	$3, \overline{17}, 0, \overline{14}$	
311	(0014)	0	0	0	0	0	$3, \overline{17}, 1, \overline{15}$	
312	(0014)	0	1	1	1	0	$3,\overline{17},2,\overline{16}$	
313	(0014)	0	0	0	0	0	$3,\overline{17},3,\overline{17}$	
314	(0014)	0	1	1	1	0	$\frac{3}{3}, \frac{17}{17}, \frac{4}{18}$	
315	(0014)	0	0	0	0	0	$\frac{3,\overline{17},\overline{17},\overline{19}}{3,\overline{17},\overline{5},\overline{19}}$	
320	(0013)	0	0	0	0	0	$\frac{3,\overline{16},0,\overline{13}}{3,\overline{16},0,\overline{13}}$	
$\frac{320}{321}$	(0013)	0	1	1	1	0	$\frac{3, 16, 0, 13}{3, \overline{16}, 1, \overline{14}}$	
$\frac{321}{322}$	(0013)	0	0	0	0	0	$\frac{3, \overline{10}, \overline{1, \overline{14}}}{3, \overline{16}, 2, \overline{15}}$	
$\frac{322}{323}$	(0013)	0				0	$\frac{3, 10, 2, 15}{3, \overline{16}, 3, \overline{16}}$	
<u></u>	(0019)	U	1	1	1	U	5, 10, 5, 10	

324	(0013)	0	0	0	0	0	$3, \overline{16}, 4, \overline{17}$
325	(0013)	0	1	1	1	0	$3, \overline{16}, 5, \overline{18}$
330	(0012)	0	1	1	1	0	$3, \overline{15}, 0, \overline{12}$
331	(0012)	0	0	0	0	0	$3, \overline{15}, 1, \overline{13}$
332	(0012)	0	1	1	1	0	$3, \overline{15}, 2, \overline{14}$
333	(0012)	0	0	0	0	0	$3, \overline{15}, 3, \overline{15}$
334	(0012)	0	1	1	1	0	$3, \overline{15}, 4, \overline{16}$
335	(0012)	0	0	0	0	0	$3, \overline{15}, 5, \overline{17}$
340	(0011)	0	0	0	0	0	$\frac{3}{14}, \frac{15}{14}, 0, \frac{11}{11}$
341	(0011)	0	1	1	1	0	$\frac{3,\overline{14},0,\overline{11}}{3,\overline{14},1,\overline{12}}$
342	(0011)	0	0	0	0	0	$\frac{3,14,1,12}{3,\overline{14},2,\overline{13}}$
$\frac{342}{343}$	(0011)	0	1	1	1	0	$\frac{3,14,2,15}{3,\overline{14},3,\overline{14}}$
$\frac{343}{344}$	(0011)	0	0	0	0	0	$\frac{3,14,3,14}{3,\overline{14},4,\overline{15}}$
	/						
345	(0011)	0	1	1	1	0	$3,\overline{14},5,\overline{16}$
350	(0010)	0	1	1	1	0	$3, \overline{13}, 0, \overline{10}$
351	(0010)	0	0	0	0	0	$3, \overline{13}, 1, \overline{11}$
352	(0010)	0	1	1	1	0	$3, \overline{13}, 2, \overline{12}$
353	(0010)	0	0	0	0	0	$3, \overline{\underline{13}}, 3, \overline{\underline{13}}$
354	(0010)	0	1	1	1	0	$3, \overline{13}, 4, \overline{14}$
355	(0010)	0	0	0	0	0	$3, \overline{13}, 5, \overline{15}$
400	(0020)	0	0	0	0	0	$4, \overline{24}, 0, \overline{20}$
401	(0020)	0	1	1	1	0	$4, \overline{24}, 1, \overline{21}$
402	(0020)	0	0	0	0	0	$\overline{4}, \overline{24}, \overline{22}$
403	(0020)	0	1	1	1	0	$4, \overline{24}, 3, \overline{23}$
404	(0020)	0	0	0	0	0	$4, \overline{24}, 4, \overline{24}$
405	(0020)	0	1	1	1	0	$4, \overline{24}, 5, \overline{25}$
410	(0019)	0	1	1	1	0	$\overline{4,\overline{23},0,\overline{19}}$
411	(0019)	0	0	0	0	0	$4,\overline{23},1,\overline{20}$
412	(0019)	0	1	1	1	0	$\frac{-3, -3, -3, -3}{4, \overline{23}, 2, \overline{21}}$
413	(0019)	0	0	0	0	0	$\frac{-3, -3, -3, -2}{4, \overline{23}, 3, \overline{22}}$
414	(0019)	0	1	1	1	0	$\frac{1,\overline{23},\overline{6},\overline{22}}{4,\overline{23},4,\overline{23}}$
415	(0019)	0	0	0	0	0	$\frac{1,25,1,26}{4,\overline{23},5,\overline{24}}$
$\frac{410}{420}$	(0013)	0	0	0	0	0	$\frac{4,25,6,24}{4,\overline{22},0,\overline{18}}$
$\frac{420}{421}$	(0018)	0	1	1	1	0	$\frac{4,22,0,16}{4,\overline{22},1,\overline{19}}$
	/						
422	(0018)	0	0	0	0	0	$4,\overline{22},2,\overline{20}$
423	(0018)	0	1	1	1	0	$4,\overline{22},3,\overline{21}$
424	(0018)	0	0	0	0	0	$4, \overline{22}, 4, \overline{22}$
425	(0018)	0	1	1	1	0	$4, \overline{22}, 5, \overline{23}$
430	(0017)	0	1	1	1	0	$4, \overline{21}, 0, \overline{17}$
431	(0017)	0	0	0	0	0	$4, \underline{21}, 1, \underline{18}$
432	(0017)	0	1	1	1	0	$4, \overline{21}, 2, \overline{19}$
433	(0017)	0	0	0	0	0	$4, \overline{21}, 3, \overline{20}$
434	(0017)	0	1	1	1	0	$4,\overline{21},4,\overline{21}$
435	(0017)	0	0	0	0	0	$4, \overline{21}, 5, \overline{22}$
440	(0016)	0	0	0	0	0	$4,\overline{20},0,\overline{16}$
441	(0016)	0	1	1	1	0	$4, \overline{20}, 1, \overline{17}$
442	(0016)	0	0	0	0	0	$4, \overline{20}, 2, \overline{18}$
443	(0016)	0	1	1	1	0	$4, \overline{20}, 3, \overline{19}$
444	(0016)	0	0	0	0	0	$4,\overline{20},4,\overline{20}$
445	(0016)	0	1	1	1	0	$4, \overline{20}, 5, \overline{21}$
450	(0015)	0	1	1	1	0	$\frac{1}{4}, \frac{20}{19}, 0, \frac{21}{15}$
$\frac{150}{451}$	(0015)	0	0	0	0	0	$\frac{1, 10, 0, 10}{4, \overline{19}, 1, \overline{16}}$
$\frac{451}{452}$	(0015)	0	1	1	1	0	$\frac{4,19,1,10}{4,\overline{19},2,\overline{17}}$
$\frac{452}{453}$	(0015)	0	0	0	0	0	$\frac{4, 19, 2, 17}{4, \overline{19}, 3, \overline{18}}$
$\frac{455}{454}$	(0015)	0	1			0	$\frac{4, 19, 5, 18}{4, \overline{19}, 4, \overline{19}}$
404	(0019)	U	1	1	1	U	T, 13, T, 13

455	(0015)	0	0	0	0	0	$4, \overline{19}, 5, \overline{20}$			
500	(0025)	0	0	0	0	0	$5, \overline{30}, 0, \overline{25}$			
501	(0025)	0	1	1	1	0	$5, \overline{30}, 1, \overline{26}$			
502	(0025)	0	0	0	0	0	$5, \overline{30}, 2, \overline{27}$			
503	(0025)	0	1	1	1	0	$5, \overline{30}, \overline{3}, \overline{28}$			
504	(0025)	0	0	0	0	0	$5, \overline{30}, 4, \overline{29}$			—
505	(0025)	0	1	1	1	0	$5, \overline{30}, 5, \overline{30}$			—
510	(0024)	0	1	1	1	0	$\frac{5,\overline{50},0,\overline{50}}{5,\overline{29},0,\overline{24}}$			—
$\frac{-510}{511}$	(0024) (0024)	0	0	0	0	0	$\frac{5, 29, 0, 24}{5, \overline{29}, 1, \overline{25}}$			—
$\frac{511}{512}$	(0024) (0024)				1	0	$\frac{5, 29, 1, 25}{5, \overline{29}, 2, \overline{26}}$			
	/	0	1	1			, , ,			
513	(0024)	0	0	0	0	0	$5, \overline{29}, 3, \overline{27}$			
514	(0024)	0	1	1	1	0	$5, \overline{29}, 4, \overline{28}$			
515	(0024)	0	0	0	0	0	$5, \overline{29}, 5, \overline{29}$			
520	(0023)	0	0	0	0	0	$5, \overline{28}, 0, \overline{23}$			
521	(0023)	0	1	1	1	0	$5, \overline{28}, 1, \overline{24}$			
522	(0023)	0	0	0	0	0	$5, \overline{28}, 2, \overline{25}$			
523	(0023)	0	1	1	1	0	$5, \overline{28}, 3, \overline{26}$			
524	(0023)	0	0	0	0	0	$5, \overline{28}, 4, \overline{27}$			
525	(0023)	0	1	1	1	0	$5, \overline{28}, 5, \overline{28}$			
530	(0022)	0	1	1	1	0	$5, \overline{27}, 0, \overline{22}$			
531	(0022)	0	0	0	0	0	$5, \overline{27}, 1, \overline{23}$			
532	(0022)	0	1	1	1	0	$5, \overline{27}, 2, \overline{24}$			
533	(0022)	0	0	0	0	0	$5,\overline{27},\overline{3},\overline{25}$			—
534	(0022)	0	1	1	1	0	$5, \overline{27}, 4, \overline{26}$			—
535	(0022)	0	0	0	0	0	$5, \overline{27}, 5, \overline{27}$			—
$\frac{-560}{540}$	(0021)	0	0	0	0	0	$\frac{5,27,5,27}{5,\overline{26},0,\overline{21}}$			—
541	(0021)	0	1	1	1	0	$\frac{5, 26, 0, 21}{5, \overline{26}, 1, \overline{22}}$			—
$\frac{-541}{542}$	(0021)	0	0	0	0	0	$\frac{5,26,1,22}{5,\overline{26},2,\overline{23}}$			—
$\frac{542}{543}$	(0021)	0	1	1	1	0	$\frac{5,26,2,23}{5,\overline{26},3,\overline{24}}$			—
$\frac{543}{544}$	(0021)					0	$\frac{5,26,3,24}{5,\overline{26},4,\overline{25}}$			
	/	0	0	0	0					
545	(0021)	0	1	1	1	0	$5, \overline{26}, 5, \overline{26}$			
550	(0020)	0	1	1	1	0	$5, \overline{25}, 0, \overline{20}$			
551	(0020)	0	0	0	0	0	$5, \overline{25}, 1, \overline{21}$			
552	(0020)	0	1	1	1	0	$5, \overline{25}, 2, \overline{22}$			
553	(0020)	0	0	0	0	0	$5, \overline{25}, 3, \overline{23}$			
554	(0020)	0	1	1	1	0	$5, \overline{25}, 4, \overline{24}$			
555	(0020)	0	0	0	0	0	$5, \overline{25}, 5, \overline{25}$			
		191.24	$\frac{1}{42} P_c 6 / \frac{1}{2}$	mmm Clas	sification =	$=\mathbb{Z}_{M}^{3}$ X	$\mathbb{Z}_{\mathrm{BS}} = \mathbb{Z}_{12} \mathrm{SI} :$	$= z_{12}$		_
$\overline{\mathbb{Z}_{12}}$	weak	$\{1 00\frac{1}{2}\}*$	6^{001}	2^{010}	i	$\frac{n}{2^{1\bar{1}0}}$	$Cm_{(2)}^{100}$	$Cm_{(6)}^{001}$	$Cm_{(2)}^{\overline{2}10}$	_
0	(000)	0	0	0	0	0	$12, \frac{(2)}{12}$	$12, \overline{12}, 0, 0$	$12,\overline{12}$	—
0	(000)	0	0	0	0	0	44	6600	, 6 6	
0	(000)	0	0	0	0	0	$\frac{\overline{2}}{2}$	0000	$\frac{\overline{2}2}{2}$	—
0	(000)	0	0	0	0	0		6600	$\frac{-2}{44}$	—
$\frac{}{7}$	(000)	1	0	0	1	0	$\frac{00}{1\overline{1}}$	$\frac{1\overline{1}00}{100}$	11	—
2	(000)	0	0	0	0	0	$\frac{11}{2\overline{2}}$	$\frac{1100}{2\overline{2}00}$	$\frac{11}{2\overline{2}}$	—
9	(000)	1	0	0	1	0	$\frac{22}{3\overline{3}}$	$\frac{2200}{3\overline{3}00}$	$\frac{22}{3\overline{3}}$	
$\frac{9}{4}$	(000)			0			$\frac{35}{4\overline{4}}$	4 4 00	$\frac{55}{4\overline{4}}$	
	\ /	0	0		0	0				
<u>11</u>	(000)	1	0	0	1	0	$\frac{5\overline{5}}{c\overline{c}}$	$5\overline{5}00$	5 <u>5</u>	
6	(000)	0	0	0	0	0	6 <u>6</u>	6 6 00	<u>66</u>	
1	(000)	1	0	0	1	0	$7\overline{7}$	$7\overline{7}00$	$7\overline{7}$	
8	(000)	0	0	0	0	0	88	8800	88	
3	(000)	1	0	0	1	0	99	9900	99	
10	(000)	0	0	0	0	0	$10, \overline{10}$	$10, \overline{10}, 0, 0$	$10, \overline{10}$	
5	(000)	1	0	0	1	0	$11, \overline{11}$	$11, \overline{11}, 0, 0$	$11, \overline{11}$	

		109	949 D6 /	maa Class	ification —	77 V	_ 7/ CI _	~+
		$\frac{192}{6^{001}}$	$\frac{.245 P0/}{.010}$	$\frac{mcc}{i}$	$\frac{\text{sincation}}{2010} =$	$\frac{\mathbb{Z}_M}{\sim 010}$	$=\mathbb{Z}_6$ SI =	$z_{6m,0}$
\mathbb{Z}_6	weak		$2^{010}_{00\frac{1}{2}}$		$2_{00\frac{1}{2}}^{110}$	$g_{00\frac{1}{2}}^{010}$	$Cm_{(6)}^{001}$	
0	(000)	0	0	0	0	0	$6\overline{6}00$	
0	(000)	0	0	0	0	0	0000	
1	(000)	0	0	1	0	1	$1\overline{1}00$	
2	(000)	0	0	0	0	0	$2\overline{2}00$	
3	(000)	0	0	1	0	1	$3\overline{3}00$	
4	(000)	0	0	0	0	0	$4\overline{4}00$	
5	(000)	0	0	1	0	1	$5\overline{5}00$	
		192.		mc'c Clas			$S = \mathbb{Z}_3$ $SI =$	$z_{3m,0}^{+}$
\mathbb{Z}_3	weak	6001*	$2^{010}_{00\frac{1}{2}}$	i*	$2^{1\overline{1}0}_{00\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{010}$	$Cm_{(3)}^{001}$	
0	(000)	1	0	0	1	1	$\overline{3\overline{3}00}$	
0	(000)	0	0	0	0	0	0000	
1	(000)	1	0	0	1	1	$1\overline{1}00$	
2	(000)	0	0	0	0	0	$2\overline{2}00$	
		192.	247 P6'/	mcc' Clas	sification =	$=\mathbb{Z}_M$ Xr.	$S = \mathbb{Z}_3$ $SI =$	z+ z _{3m} 0
\mathbb{Z}_3	weak	6001*	$\frac{2010}{2_{00\frac{1}{2}}^{010}}*$	$\frac{i*}{i}$	$\frac{2_{00\frac{1}{2}}^{110}}{2_{00\frac{1}{2}}^{1}}$	$\frac{g_{00\frac{1}{2}}^{010}*}{g_{00\frac{1}{2}}^{010}}$	$\frac{Cm_{(3)}^{001}}{Cm_{(3)}^{001}}$	3111,U
$\frac{2}{3}$	(000)	1	$\frac{200\frac{1}{2}}{1}$	0	$\frac{2_{00\frac{1}{2}}}{0}$	$\frac{g_{00\frac{1}{2}}}{0}$	$\frac{3\overline{3}00}{3}$	
0	(000)	0	0	0	0	0	0000	
$\frac{0}{1}$	(000)	1	1	0	0	0	$1\overline{1}00$	
$\frac{1}{2}$	(000)	0	0	0	0	0	$\frac{1100}{2\overline{2}00}$	
	(000)							
				/m'c'c Cla			$_{\mathrm{SS}} = \mathbb{Z}_2 \mathrm{SI} =$	$=z'_{2P}$
\mathbb{Z}_2	weak	$6^{001}*$	$2^{010}_{00\frac{1}{2}}*$	i	$2^{1\bar{1}0}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{010}$		
0	(000)	0	0	0	0	0		
1	(000)	1	1	1	0	1		
		192	$2.249 ext{ } P6'$	/m'cc' Cla	assification	$=\mathbb{Z}_2$ X_{B}	$_{\mathrm{SS}}=\mathbb{Z}_{2}$ $\mathrm{SI}=% \mathrm{SI}_{2}$	$=z'_{2P}$
$\overline{\mathbb{Z}_2}$	weak	$6^{001}*$	$2.249 P6'$ 2_{001}^{010}	$\frac{/m'cc'}{i}$ Cla			$_{\mathrm{SS}}=\mathbb{Z}_{2}$ SI =	$=z_{2P}^{\prime}$
\mathbb{Z}_2		6 ⁰⁰¹ *	$2^{010}_{00\frac{1}{2}}$	i	$2^{1\overline{10}}_{00\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{010}*$	$_{3S} = \mathbb{Z}_2$ SI =	$=z_{2P}^{\prime}$
0	(000)		$ \begin{array}{c cccc} 2.249 & P6' \\ \hline 2^{010}_{00\frac{1}{2}} \\ 0 \\ 0 \end{array} $				$_{3\mathrm{S}}=\mathbb{Z}_{2}\mathrm{SI}=% \left\{ \mathbb{Z}_{2}\right\} =\left\{ \mathbb{Z}_{2}\right\} $	$=z_{2P}^{\prime}$
		6 ⁰⁰¹ * 0 1	$\begin{array}{c} 2^{010}_{00\frac{1}{2}} \\ 0 \\ 0 \end{array}$	<i>i</i> 0 1	$\begin{array}{c} 2^{110}_{00\frac{1}{2}} * \\ 0 \\ 1 \end{array}$	$\begin{array}{c} g_{00\frac{1}{2}}^{010} * \\ 0 \\ 0 \\ \end{array}$		
0 1	(000)	$6^{001}*$ 0 1 192.250	$ \begin{array}{c} 2_{00\frac{1}{2}}^{010} \\ 0 \\ 0 \\ P6/mc'c' \end{array} $	i 0 1 Classificati	$ \begin{array}{c} 2^{110}_{00\frac{1}{2}} * \\ 0 \\ \hline 1 \\ \text{ion} = \mathbb{Z}_M \end{array} $	$ \begin{array}{c} g_{00\frac{1}{2}}^{010} * \\ 0 \\ 0 \\ \times \mathbb{Z} X_{BS} : \end{array} $	$=\mathbb{Z}_{6,6}$ SI $=$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_{6,6} \end{array} $	(000) (000) weak	$ \begin{array}{c} 6^{001}*\\ 0\\ 1\\ 192.250\\ 6^{001} \end{array} $	$ \begin{array}{c} 2_{00\frac{1}{2}}^{010} \\ 0 \\ \hline 0 \\ \hline P6/mc'c' \\ 2_{00\frac{1}{2}}^{010} * \end{array} $	i 0 1 Classificate i	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ \hline 1 \\ 100 = \mathbb{Z}_{M} \\ 2_{00\frac{1}{2}}^{110} * \end{array} $	$\begin{array}{c} g_{00\frac{1}{2}}^{010} * \\ \hline 0 \\ \times \mathbb{Z} X_{\rm BS} : \\ g_{00\frac{1}{2}}^{010} * \end{array}$	$= \mathbb{Z}_{6,6} \text{SI} = Cm_{(6)}^{001}$	
$ \begin{array}{c c} 0\\ 1\\ \hline & \\ & \\$	(000) (000) weak (000)	$ \begin{array}{c} 6^{001}*\\ 0\\ 1\\ 192.250\\ 6^{001}\\ 0 \end{array} $	$ \begin{array}{c} 2_{00\frac{1}{2}}^{010} \\ 0 \\ 0 \\ \hline P6/mc'c' \\ 2_{00\frac{1}{2}}^{010} * \\ 0 \end{array} $	i 0 1 Classificati i 0	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ \hline 100 = \mathbb{Z}_{M} \\ 2_{00\frac{1}{2}}^{110} * \\ 0 \end{array} $	$\begin{array}{c} g_{00\frac{1}{2}}^{010} * \\ \hline 0 \\ \times \mathbb{Z} X_{BS} : \\ g_{00\frac{1}{2}}^{010} * \\ \hline 0 \\ \end{array}$	$= \mathbb{Z}_{6,6} \text{SI} = \\ \frac{Cm_{(6)}^{001}}{6\bar{6}00}$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ \end{array} $	(000) (000) weak (000) (0012)	$ \begin{array}{c} 6^{001}*\\ 0\\ 1\\ 192.250\\ 6^{001}\\ 0\\ 0 \end{array} $	$ \begin{array}{c} 2_{00\frac{1}{2}}^{010} \\ 0 \\ 0 \\ \hline P6/mc'c' \\ 2_{00\frac{1}{2}}^{010} * \\ 0 \\ 0 \end{array} $	i 0 1 Classificati i 0 0	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ \hline 0 \\ 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 0 \end{array} $	$\begin{array}{c} g_{00\frac{1}{2}}^{010} * \\ \hline 0 \\ \times \mathbb{Z} & X_{\text{BS}} : \\ g_{00\frac{1}{2}}^{010} * \\ \hline 0 \\ \hline 6 \end{array}$	$= \mathbb{Z}_{6,6} \text{SI} = \\ \frac{Cm_{(6)}^{001}}{6\overline{6}00} \\ 0, 12, 6, 6$	
$ \begin{array}{c c} 0\\ \hline 1\\ \hline Z_{6,6}\\ 00\\ 00\\ 00\\ \end{array} $	(000) (000) weak (000) (0012) (000)	6 ⁰⁰¹ * 0 1 192.250 6 ⁰⁰¹ 0 0	$ \begin{array}{c} 2_{000\frac{1}{2}}^{010} \\ 0 \\ \hline 0 \\ \hline P6/mc'c' \\ 2_{000\frac{1}{2}}^{010} * \\ 0 \\ 0 \end{array} $	i 0 1 Classificati i 0 0 0 0	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ \hline 100 = \mathbb{Z}_{M} \\ 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} g_{00\frac{1}{2}}^{010} * \\ \hline 0 \\ \times \mathbb{Z} X_{\text{BS}} : \\ g_{00\frac{1}{2}}^{010} * \\ \hline 0 \\ \hline 6 \\ 0 \end{array}$	$= \mathbb{Z}_{6,6} \text{SI} = \\ Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ 0, 12, 6, 6 \\ 0000$	
$ \begin{array}{c c} 0\\ \hline 1\\ \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ 00\\ 01\\ \end{array} $	(000) (000) weak (000) (0012) (000) (002)	6 ⁰⁰¹ * 0 1 192.250 6 ⁰⁰¹ 0 0 0	$ \begin{array}{c} 2_{000\frac{1}{2}}^{010} \\ 0 \\ 0 \\ \hline P6/mc'c' \\ 2_{00\frac{1}{2}}^{010} * \\ 0 \\ 0 \\ 0 \end{array} $	i 0 1 Classificati i 0 0 0 1 1	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ 0 \\ 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} g_{00\frac{1}{2}}^{010}* \\ \hline 0 \\ \hline \times \mathbb{Z} X_{\text{BS}}: \\ g_{00\frac{1}{2}}^{010}* \\ \hline 0 \\ \hline \hline 6 \\ \hline 0 \\ \hline 1 \\ \end{array}$	$= \mathbb{Z}_{6,6} \text{SI} = \\ \frac{Cm_{(6)}^{001}}{6600} \\ 0, 12, 6, 6 \\ 0000 \\ 0211$	
$ \begin{array}{c c} 0\\ \hline 1\\ \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ 00\\ 01\\ 02\\ \end{array} $	(000) (000) weak (000) (0012) (000) (002) (004)	6 ⁰⁰¹ * 0 1 192.250 6 ⁰⁰¹ 0 0 0 0	$ \begin{array}{c} 2_{000\frac{1}{2}}^{010} \\ 0 \\ 0 \\ \hline P6/mc'c' \\ 2_{000\frac{1}{2}}^{010} * \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	i 0 1 Classificati i 0 0 0 1 0 0 1	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ \hline 1000 = \mathbb{Z}_M \\ 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} g_{00\frac{1}{2}}^{010} * \\ \hline 0 \\ \times \mathbb{Z} X_{BS} : \\ g_{00\frac{1}{2}}^{010} * \\ \hline 0 \\ \hline 6 \\ 0 \\ \hline 1 \\ \hline 2 \\ \end{array}$	$= \mathbb{Z}_{6,6} \text{SI} = \frac{Cm_{(6)}^{001}}{6600}$ $= 0, 12, 6, 6$ $= 0000$ $= 0211$ $= 0422$	
$ \begin{array}{c c} 0\\ \hline 1\\ \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ 00\\ 01\\ 02\\ 03\\ \end{array} $	$ \begin{array}{c} (000) \\ (000) \\ \hline \\ (000) \\ \hline \\ (000) \\ (0012) \\ (000) \\ (0002) \\ (0004) \\ (0006) \\ \hline \end{array} $	6 ⁰⁰¹ * 0 1 192.250 6 ⁰⁰¹ 0 0 0 0 0 0	$\begin{array}{c} 2^{010}_{00\frac{1}{2}} \\ 0 \\ 0 \\ \hline 0 \\ \hline P6/mc'c' \\ \hline 2^{010}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	i 0 1 Classificat: i 0 0 0 1 0 1 1 1 1	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ \hline 0 \\ 0 \\ 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline \times \mathbb{Z} & X_{BS}:\\ \hline g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline \hline 6\\ \hline 0\\ \hline \hline 1\\ \hline 2\\ \hline \end{array}$	$= \mathbb{Z}_{6,6} \text{SI} = \\ \frac{Cm_{(6)}^{001}}{6600} \\ 0, 12, 6, 6 \\ 0000 \\ 0211 \\ 0422 \\ 0633$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ 00\\ 01\\ 02\\ 03\\ 04\\ \end{array} $	$ \begin{array}{c c} (000) \\ \hline (000) \\ \hline \\ (000) \\ \hline \\ (000) \\ \hline \\ (0012) \\ \hline \\ (000) \\ \hline \\ (00\overline{4}) \\ \hline \\ (00\overline{6}) \\ \hline \\ (00\overline{8}) \\ \hline \end{array} $	6 ⁰⁰¹ * 0 1 192.250 6 ⁰⁰¹ 0 0 0 0 0 0 0	$\begin{array}{c} 2^{010}_{00\frac{1}{2}} \\ 0 \\ 0 \\ \hline 0 \\ \hline P6/mc'c' \\ 2^{010}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	i 0 1 Classificati i 0 0 0 1 0 1 1 0	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ \hline 1000 = \mathbb{Z}_{M} \\ 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} g_{00\frac{1}{2}}^{010}*\\ \hline 0\\ \hline \times \mathbb{Z} & X_{BS}:\\ \hline g_{00\frac{1}{2}}^{010}*\\ \hline 0\\ \hline \hline 6\\ \hline 0\\ \hline \hline 1\\ \hline \hline 2\\ \hline 3\\ \hline \end{array}$	$= \mathbb{Z}_{6,6} \text{SI} = \\ Cm_{(6)}^{001} \\ \hline 6600 \\ 0, 12, 6, 6 \\ \hline 0000 \\ 0211 \\ 0422 \\ \hline 0633 \\ 0844$	
$ \begin{array}{c c} \hline 0\\ \hline 1\\ \hline \mathbb{Z}_{6,6}\\ \hline 00\\ 00\\ \hline 00\\ 01\\ 02\\ \hline 03\\ \hline 04\\ 05\\ \end{array} $	$ \begin{array}{c} (000) \\ (000) \\ \hline \\ (000) \\ \hline \\ (000) \\ (0012) \\ (000) \\ (000) \\ \hline \\ (000) \\ (000) \\ \hline \\ (000) \\ (000) \\ \hline \\ (000) \\ \\ (000) \\ \hline \\$	6 ⁰⁰¹ * 0 1 192.250 6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 2^{010}_{00\frac{1}{2}} \\ 0 \\ 0 \\ \hline 0 \\ \hline P6/mc'c' \\ \hline 2^{010}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	i 0 1 Classificati i 0 0 0 1 0 1 0 1 0 1 1 0 1	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ \hline 1 \\ 0 \\ 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} g_{00\frac{1}{2}}^{010}*\\ \hline 0\\ \hline \times \mathbb{Z} X_{\mathrm{BS}}:\\ g_{00\frac{1}{2}}^{010}*\\ \hline 0\\ \hline \hline 6\\ \hline 0\\ \hline \hline 1\\ \hline 2\\ \hline \hline 3\\ \hline 4\\ \hline \end{array}$	$= \mathbb{Z}_{6,6} \text{SI} = \\ \frac{Cm_{(6)}^{001}}{6\overline{6}00} \\ 0, 12, 6, 6 \\ 0000 \\ 0211 \\ 0422 \\ 0633 \\ 0844 \\ 0, 10, 5, 5$	
$ \begin{array}{c c} \hline 0\\ \hline 1\\ \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ 00\\ 01\\ 02\\ 03\\ 04\\ 05\\ 10\\ \end{array} $	(000) (000) (000) (0012) (000) (002) (004) (006) (008) (0010) (000)	6 ⁰⁰¹ * 0 1 192.250 6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 2_{000\frac{1}{2}}^{010} \\ 0 \\ 0 \\ \hline P6/mc'c' \\ 2_{000\frac{1}{2}}^{010} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	i 0 1 Classificati i 0 0 0 1 0 1 0 1 1 1 1	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ 0 \\ 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} g_{000\frac{1}{2}}^{010} * \\ 0 \\ 0 \\ \times \mathbb{Z} X_{BS} : \\ g_{000\frac{1}{2}}^{010} * \\ \hline 0 \\ \hline 6 \\ 0 \\ \hline 1 \\ \hline 2 \\ \hline 3 \\ \hline 4 \\ \hline 5 \\ 0 \end{array} $	$= \mathbb{Z}_{6,6} \text{SI} = \\ Cm_{(6)}^{001} \\ \hline 6600 \\ 0, 12, 6, 6 \\ 0000 \\ 0211 \\ 0422 \\ 0633 \\ 0844 \\ 0, 10, 5, 5 \\ 1\overline{1}00$	
$ \begin{array}{c c} 0\\ \hline 1\\ \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ 00\\ 01\\ 02\\ 03\\ 04\\ 05\\ \hline 10\\ 11\\ \end{array} $	$ \begin{array}{c} (000) \\ (000) \\ \hline \\ (000) \\ \hline \\ (000) \\ \hline \\ (0012) \\ (000) \\ \hline \\ (000) \\ \hline \\ (000) \\ \hline \\ (0010) \\ \hline \\ (000) \\ \hline \\ (000) \\ \hline \\ (000) \\ \hline \\ (000) \\ \hline \end{array} $	6 ⁰⁰¹ * 0 1 192.250 6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 2_{000\frac{1}{2}}^{010} \\ 0 \\ 0 \\ \hline P6/mc'c' \\ 2_{00\frac{1}{2}}^{010} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $	i 0 1 Classificati i 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0	$ \begin{array}{c} 2^{110}_{00\frac{1}{2}} * \\ 0 \\ 1 \\ \hline 1 \\ 0 \\ 2^{110}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $	$\begin{array}{c} g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline 0\\ \times \mathbb{Z} & X_{BS}:\\ \hline g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline \hline 0\\ \hline 1\\ \hline \hline 2\\ \hline 3\\ \hline \hline 4\\ \hline 5\\ \hline 0\\ \hline 1\\ \hline \end{array}$	$= \mathbb{Z}_{6,6} \text{SI} = \\ Cm_{(6)}^{001} \\ \hline 6600 \\ 0, 12, 6, 6 \\ \hline 0000 \\ 0211 \\ 0422 \\ \hline 0633 \\ 0844 \\ 0, 10, 5, 5 \\ \hline 1100 \\ 1111$	
$ \begin{array}{c c} 0\\ \hline 1\\ \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ 00\\ 01\\ 02\\ 03\\ 04\\ 05\\ 10\\ 11\\ 12\\ \end{array} $	(000) (000) (000) (0012) (0012) (002) (004) (006) (008) (0010) (000) (002) (004)	6 ⁰⁰¹ * 0 1 192.250 6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 2_{000\frac{1}{2}}^{010} \\ 0 \\ 0 \\ \hline P6/mc'c' \\ 2_{000\frac{1}{2}}^{010} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $	i 0 1 Classificati i 0 0 0 0 1 1 0 1 0 1 0 1 1 0 1 1 1 0 1	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ \hline 100000000000000000000000000000000000$	$\begin{array}{c} g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline \times \mathbb{Z} X_{BS}:\\ g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline 0\\ \hline 1\\ \hline \hline 2\\ \hline 3\\ \hline 4\\ \hline \hline 5\\ \hline 0\\ \hline 1\\ \hline 2\\ \hline \end{array}$	$= \mathbb{Z}_{6,6} \text{SI} = \\ Cm_{(6)}^{001} \\ \hline 6600 \\ 0, 12, 6, 6 \\ 0000 \\ 0211 \\ 0422 \\ 0633 \\ 0844 \\ 0, 10, 5, 5 \\ \hline 1100 \\ 1111 \\ 1322$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ 00\\ 01\\ 02\\ 03\\ 04\\ 05\\ 10\\ 11\\ 12\\ 13\\ \end{array} $	$ \begin{array}{c} (000) \\ (000) \\ \hline \\ (000) \\ \hline \\ (000) \\ \hline \\ (0012) \\ (000) \\ \hline \\ (000) \\ \\ (000) \\ \hline \\ (000) \\$	6 ⁰⁰¹ * 0 1 192.250 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 2_{000\frac{1}{2}}^{010} \\ 0 \\ 0 \\ \hline P6/mc'c' \\ 2_{00\frac{1}{2}}^{010} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{array} $	i 0 1 Classificati i 0 0 0 1 0 1 0 1 0 1 1 0 1 0 1 0 0 0	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ \hline 1000 = \mathbb{Z}_{M} \\ 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{array} $	$\begin{array}{c} g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline 0\\ \hline \times \mathbb{Z} & X_{BS}:\\ \hline g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline \hline 1\\ \hline \hline 2\\ \hline \hline 3\\ \hline 4\\ \hline \hline 5\\ \hline 0\\ \hline \hline 1\\ \hline 2\\ \hline 3\\ \hline \end{array}$	$= \mathbb{Z}_{6,6} \text{SI} = \\ Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ 0, 12, 6, 6 \\ 0000 \\ 0211 \\ 0422 \\ 0633 \\ 0844 \\ 0, 10, 5, 5 \\ \hline 1\overline{1}00 \\ 1111 \\ 1322 \\ 1533$	
$ \begin{array}{c c} \hline 0\\ \hline 1\\ \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ 00\\ 01\\ 02\\ 03\\ 04\\ 05\\ 10\\ 11\\ 12\\ 13\\ 14\\ \end{array} $	$ \begin{array}{c} (000) \\ (000) \\ \hline \\ (000) \\ \hline \\ (000) \\ \hline \\ (0012) \\ (000) \\ (002) \\ \hline \\ (004) \\ (006) \\ \hline \\ (000) \\ (000) \\ \hline \\ (0000) \\ \hline \\ ($	6 ⁰⁰¹ * 0 1 192.250 6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 2_{000\frac{1}{2}}^{010} \\ 0 \\ 0 \\ \hline P6/mc'c' \\ 2_{000\frac{1}{2}}^{010} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{array} $	i 0 1 Classificati i 0 0 0 1 0 1 0 1 0 1 1 0 1 0 1 1 0 1 1 1 0 1	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline 0\\ \hline \times \mathbb{Z} X_{BS}:\\ g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline \hline 0\\ \hline 1\\ \hline 2\\ \hline 3\\ \hline 4\\ \hline \hline 5\\ 0\\ \hline 1\\ \hline 2\\ \hline 3\\ \hline 4\\ \hline \end{array}$	$= \mathbb{Z}_{6,6} \text{SI} = \\ Cm_{(6)}^{001} \\ \hline 6600 \\ 0, 12, 6, 6 \\ 0000 \\ 0211 \\ 0422 \\ 0633 \\ 0844 \\ 0, 10, 5, 5 \\ \hline 1\overline{1}00 \\ 1111 \\ 1322 \\ 1533 \\ 1744$	
$ \begin{array}{c c} \hline 0\\ \hline 1\\ \hline \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ 00\\ 01\\ 02\\ 03\\ 04\\ 05\\ 10\\ 11\\ 12\\ 13\\ 14\\ 15\\ \end{array} $	(000) (000) (000) (000) (0012) (000) (002) (004) (006) (008) (006) (006) (008) (008) (0010)	6 ⁰⁰¹ * 0 1 192.250 6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 2_{000\frac{1}{2}}^{010} \\ 0 \\ 0 \\ \hline 0 \\ P6/mc'c' \\ 2_{000\frac{1}{2}}^{010} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \end{array} $	i 0 1 Classificati i 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline 0\\ \hline \times \mathbb{Z} X_{BS}:\\ \hline g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline \hline 0\\ \hline 1\\ \hline \hline 2\\ \hline 3\\ \hline \hline 4\\ \hline \hline 5\\ \hline 0\\ \hline \hline 1\\ \hline 2\\ \hline \hline 3\\ \hline 4\\ \hline 5\\ \hline \end{array}$	$= \mathbb{Z}_{6,6} \text{SI} = \\ Cm_{(6)}^{001} \\ \hline 6600 \\ 0, 12, 6, 6 \\ 0000 \\ 0211 \\ 0422 \\ 0633 \\ 0844 \\ 0, 10, 5, 5 \\ \hline 1\overline{1}00 \\ 1111 \\ 1322 \\ \hline 1533 \\ 1744 \\ 1955$	
$ \begin{array}{c c} 0\\ \hline 1\\ \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ 00\\ 01\\ 02\\ 03\\ 04\\ 05\\ 10\\ 11\\ 12\\ 13\\ 14\\ 15\\ 20\\ \end{array} $	(000) (000) (000) (0012) (000) (002) (004) (006) (008) (006) (006) (006) (006) (006) (007) (006) (008) (0010) (000)	6 ⁰⁰¹ * 0 1 192.250 6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 2^{010}_{00\frac{1}{2}} \\ 0 \\ 0 \\ \end{array}$	i 0 1 Classificati i 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline 0\\ \times \mathbb{Z} & X_{BS}:\\ \hline g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline \hline 1\\ \hline \hline 2\\ \hline 3\\ \hline 4\\ \hline \hline 5\\ \hline 0\\ \hline 1\\ \hline 2\\ \hline 3\\ \hline 4\\ \hline 5\\ \hline 0\\ \hline 0\\ \hline 5\\ \hline 0\\ \hline 0\\ \hline 5\\ \hline 0\\ \hline 0$	$= \mathbb{Z}_{6,6} \text{SI} = \\ Cm_{(6)}^{001} \\ \hline 6600 \\ 0, 12, 6, 6 \\ \hline 0000 \\ 0211 \\ 0422 \\ 0633 \\ \hline 0844 \\ 0, 10, 5, 5 \\ \hline 1\overline{1}00 \\ \hline 1111 \\ 1322 \\ \hline 1533 \\ \hline 1744 \\ \hline 1955 \\ \overline{2}\overline{2}00 \\ \\ \end{array}$	
$ \begin{array}{c c} 0\\ \hline 1\\ \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ 00\\ 01\\ 02\\ 03\\ 04\\ 05\\ 10\\ 11\\ 12\\ 13\\ 14\\ 15\\ 20\\ 21\\ \end{array} $	(000) (000) (000) (0012) (0012) (002) (004) (008) (0010) (008) (006) (008) (006) (008) (0010) (0010) (000) (000) (000)	6 ⁰⁰¹ * 0 1 192.250 6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 2^{010}_{00\frac{1}{2}} \\ 0 \\ 0 \\ \hline 0 \\ \hline P6/mc'c' \\ 2^{010}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1$	i 0 1 Classificati i 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	$ \begin{array}{c} 2^{110}_{00\frac{1}{2}} * \\ 0 \\ 1 \\ \hline 1 \\ 0 \\ 2^{110}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline 0\\ \hline \times \mathbb{Z} X_{BS}:\\ g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline 0\\ \hline 1\\ \hline \hline 2\\ \hline 3\\ \hline 4\\ \hline \hline 5\\ \hline 0\\ \hline 1\\ \hline 2\\ \hline 3\\ \hline 4\\ \hline 5\\ \hline 0\\ \hline 1\\ \hline 2\\ \hline 3\\ \hline 0\\ \hline 1\\ \hline 2\\ \hline 0\\ \hline 1\\ \hline 0\\ \hline 0$	$= \mathbb{Z}_{6,6} \text{SI} = \\ Cm_{(6)}^{001} \\ \hline 6600 \\ 0, 12, 6, 6 \\ 0000 \\ 0211 \\ 0422 \\ 0633 \\ 0844 \\ 0, 10, 5, 5 \\ \hline 1\overline{1}00 \\ 1111 \\ 1322 \\ 1533 \\ 1744 \\ 1955 \\ \overline{2}200 \\ 2011$	
$ \begin{array}{c c} 0\\ \hline 1\\ \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ 00\\ 01\\ 02\\ 03\\ 04\\ 05\\ 10\\ 11\\ 12\\ 13\\ 14\\ 15\\ 20\\ 21\\ 22\\ \end{array} $	(000) (000) (000) (0012) (000) (0012) (002) (004) (008) (0010) (008) (008) (0010) (000) (000) (000) (000) (000) (000)	6 ⁰⁰¹ * 0 1 192.250 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 2^{010}_{00\frac{1}{2}} \\ 0 \\ 0 \\ \hline \\ P6/mc'c' \\ \hline \\ 2^{010}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1$	i 0 1 Classificati i 0 0 0 1 0 1 0 1 1 0 1 1 0 1 0 1 1 0 1 0 1 0 1 0 0 1 0	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ \hline 1000 = \mathbb{Z}_{M} \\ 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline 0\\ \times \mathbb{Z} X_{BS}:\\ \hline g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline 0\\ \hline 1\\ \hline \hline 2\\ \hline \hline 3\\ \hline 4\\ \hline \hline 5\\ \hline 0\\ \hline 1\\ \hline \hline 2\\ \hline 3\\ \hline 4\\ \hline \hline 5\\ \hline 0\\ \hline 1\\ \hline \hline 2\\ \hline 3\\ \hline \end{bmatrix}$	$= \mathbb{Z}_{6,6} \text{SI} = \\ Cm_{(6)}^{001} \\ \hline 6600 \\ 0, 12, 6, 6 \\ 0000 \\ 0211 \\ 0422 \\ 0633 \\ 0844 \\ 0, 10, 5, 5 \\ \hline 1\overline{1}00 \\ 1111 \\ 1322 \\ 1533 \\ 1744 \\ 1955 \\ \overline{2}200 \\ 2011 \\ 2222$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ 00\\ 01\\ 02\\ 03\\ 04\\ 05\\ 10\\ 11\\ 12\\ 13\\ 14\\ 15\\ 20\\ 21\\ 22\\ 23\\ \end{array} $	(000) (000) (000) (000) (0012) (000) (002) (004) (006) (008) (006) (008) (006) (008) (0010) (008) (0010) (000) (002) (004) (006) (006) (007) (007) (007) (007) (007) (007) (007) (008)	6 ⁰⁰¹ * 0 1 192.250 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 2^{010}_{00\frac{1}{2}} \\ 0 \\ 0 \\ \hline 0 \\ \hline P6/mc'c' \\ \hline 2^{010}_{00\frac{1}{2}}* \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\$	i 0 1 Classificati i 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline 0\\ \hline \times \mathbb{Z} X_{BS}:\\ \hline g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline \hline 0\\ \hline \\ \hline 2\\ \hline \\ \hline 3\\ \hline 4\\ \hline \\ \hline 5\\ \hline 0\\ \hline \\ \hline 1\\ \hline \\ \hline 2\\ \hline \\ \hline 3\\ \hline \\ \hline 4\\ \hline \\ \hline \\ \hline 5\\ \hline \\ 0\\ \hline \\ \hline \\ \hline \\ \hline 2\\ \hline \\ \hline \\ 3\\ \hline \\ \hline \\ \hline \\ 3\\ \hline \\ \hline \\ \hline \\ $	$= \mathbb{Z}_{6,6} \text{SI} = \\ Cm_{(6)}^{001} \\ \hline 6600 \\ 0, 12, 6, 6 \\ 0000 \\ 0211 \\ 0422 \\ 0633 \\ 0844 \\ 0, 10, 5, 5 \\ \hline{1100} \\ 1111 \\ 1322 \\ 1533 \\ 1744 \\ 1955 \\ \hline{2200} \\ 2011 \\ 2222 \\ 2433$	
$ \begin{array}{c c} 0\\ \hline 1\\ \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ 00\\ 01\\ 02\\ 03\\ 04\\ 05\\ 10\\ 11\\ 12\\ 13\\ 14\\ 15\\ 20\\ 21\\ 22\\ 23\\ 24\\ \end{array} $	(000) (000) (000) (000) (0012) (000) (002) (004) (006) (008) (0010) (002) (004) (006) (008) (0010) (000) (002) (004) (006) (006) (007) (006) (007) (007) (007) (008) (008) (008)	6 ⁰⁰¹ * 0 1 192.250 6 ⁰⁰¹ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 2^{010}_{00\frac{1}{2}} \\ 0 \\ 0 \\ 0 \\ \hline \\ P6/mc'c' \\ 2^{010}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1$	i 0 1 Classificati i 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline 0\\ \hline \times \mathbb{Z} X_{BS}:\\ \hline g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline \hline 0\\ \hline 1\\ \hline \hline 2\\ \hline 3\\ \hline \hline 4\\ \hline \hline 5\\ \hline 0\\ \hline \hline 1\\ \hline 2\\ \hline \hline 3\\ \hline 4\\ \hline \hline 5\\ \hline 0\\ \hline 1\\ \hline 2\\ \hline \hline 3\\ \hline 4\\ \hline 5\\ \hline 0\\ \hline 3\\ \hline 4\\ \hline 4\\ \hline 5\\ \hline 0\\ \hline 3\\ \hline 4\\ \hline 4\\ \hline 5\\ \hline 0\\ \hline 3\\ \hline 4\\ \hline 4\\ \hline 5\\ \hline 0\\ \hline 3\\ \hline 4\\ \hline 4\\ \hline 5\\ \hline 0\\ \hline 4\\ \hline 3\\ \hline 4\\ \hline 4\\ \hline 5\\ \hline 0\\ \hline 4\\ \hline 3\\ \hline 4\\ \hline 4\\ \hline 5\\ \hline 0\\ \hline 4\\ \hline 4\\ \hline 5\\ \hline 0\\ \hline 4\\ \hline 4\\ \hline 4\\ \hline 5\\ \hline 0\\ \hline 4\\ \hline 4\\ \hline 4\\ \hline 5\\ \hline 0\\ \hline 4\\ \hline 4\\ \hline 4\\ \hline 5\\ \hline 0\\ \hline 4\\ \hline 4\\ \hline 4\\ \hline 4\\ \hline 4\\ \hline 5\\ \hline 4\\ \hline 4$	$= \mathbb{Z}_{6,6} \text{SI} = \\ Cm_{(6)}^{001} \\ \hline 6600 \\ 0, 12, 6, 6 \\ 0000 \\ 0211 \\ 0422 \\ 0633 \\ 0844 \\ 0, 10, 5, 5 \\ \hline 1\overline{1}00 \\ 1111 \\ 1322 \\ \hline 1533 \\ 1744 \\ \hline 1955 \\ \hline 2\overline{2}00 \\ 2011 \\ \hline 2222 \\ 2433 \\ 2644$	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_{6,6}\\ 00\\ 00\\ 00\\ 01\\ 02\\ 03\\ 04\\ 05\\ 10\\ 11\\ 12\\ 13\\ 14\\ 15\\ 20\\ 21\\ 22\\ 23\\ \end{array} $	(000) (000) (000) (000) (0012) (000) (002) (004) (006) (008) (006) (008) (006) (008) (0010) (008) (0010) (000) (002) (004) (006) (006) (007) (007) (007) (007) (007) (007) (007) (008)	6 ⁰⁰¹ * 0 1 192.250 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 2^{010}_{00\frac{1}{2}} \\ 0 \\ 0 \\ \hline 0 \\ \hline P6/mc'c' \\ \hline 2^{010}_{00\frac{1}{2}}* \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\$	i 0 1 Classificati i 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	$ \begin{array}{c} 2_{00\frac{1}{2}}^{110} * \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline 0\\ \hline \times \mathbb{Z} X_{BS}:\\ \hline g_{000\frac{1}{2}}^{010}*\\ \hline 0\\ \hline \hline 0\\ \hline \\ \hline 2\\ \hline \\ \hline 3\\ \hline 4\\ \hline \\ \hline 5\\ \hline 0\\ \hline \\ \hline 1\\ \hline \\ \hline 2\\ \hline \\ \hline 3\\ \hline \\ \hline 4\\ \hline \\ \hline \\ \hline 5\\ \hline \\ 0\\ \hline \\ \hline \\ \hline \\ \hline 2\\ \hline \\ \hline \\ 3\\ \hline \\ \hline \\ \hline \\ 3\\ \hline \\ \hline \\ \hline \\ $	$= \mathbb{Z}_{6,6} \text{SI} = \\ Cm_{(6)}^{001} \\ \hline 6600 \\ 0, 12, 6, 6 \\ 0000 \\ 0211 \\ 0422 \\ 0633 \\ 0844 \\ 0, 10, 5, 5 \\ \hline{1100} \\ 1111 \\ 1322 \\ 1533 \\ 1744 \\ 1955 \\ \hline{2200} \\ 2011 \\ 2222 \\ 2433$	

	T /								
31	$(00\overline{2})$	0	1	0	1	<u> </u>	$3\overline{1}11$		
32	$(00\overline{4})$	0	1	1	1	$\overline{2}$	3122		
33	$(00\overline{6})$	0	1	0	1	3	3333		
34	(008)	0	1	1	1	$\overline{4}$	3544		
35	$(00\overline{10})$	0	1	0	1	5	3755		
40	(000)	0	0	0	0	0	$4\overline{4}00$		
41	$(00\overline{2})$	0	0	1	0	<u> </u>	$4\overline{2}11$		
42	$(00\overline{4})$	0	0	0	0	2	4022		
43	$(00\overline{6})$	0	0	1	0	3	4233		
44	(008)	0	0	0	0	$\frac{3}{4}$	4444		
45	$(00\overline{10})$	0	0	1	0	5	4655		
$\frac{-40}{50}$	(000)	0	1	1	1	0	$\frac{4000}{5\overline{5}00}$		
$\frac{-50}{51}$	(000) $(00\overline{2})$	0	1	0	1	$\frac{0}{1}$	$\frac{5500}{5\overline{3}11}$		
$\frac{-51}{52}$	(002) $(00\overline{4})$					$\frac{1}{2}$	$\frac{5511}{5\overline{1}22}$		
	/	0	1	1	1				
53	$(00\overline{6})$	0	1	0	1	3	5133		
54	$(00\overline{8})$	0	1	1	1	<u>4</u>	5344		
55	$(00\overline{10})$	0	1	0	1	5	5555		
		192.2		mcc Class	ification =	\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_6$ SI $=$	$z_{6m,0}^{+}$	
\mathbb{Z}_6	weak	$\{1 00\frac{1}{2}\}*$	6^{001}	$2^{010}*$	i	$2^{1\bar{1}0}*$	$m_{010}*$	$Cm_{(6)}^{001}$	
0	(000)	0	0	0	0	0	0	6600	
0	(000)	0	0	0	0	0	0	0000	
1	(000)	1	0	1	1	1	0	$\overline{1100}$	
$\frac{1}{2}$	(000)	0	0	0	0	0	0	$\frac{2\overline{2}00}{2}$	
$\frac{2}{3}$	(000)	1	0	1	1	1	0	$\frac{2200}{3\overline{3}00}$	
$\frac{3}{4}$	(000)	0	0	0	0	0	0	$\frac{3500}{4\overline{4}00}$	
5	(000)	1	0	1	1	1	0	$\frac{4400}{5500}$	
	(000)								
		193.2		mcm Class	sification =	$=\mathbb{Z}_M^2$ X_{BS}	$=\mathbb{Z}_6$ SI =	$z_{6m,0}^{+}$	
\mathbb{Z}_6	weak	$6^{001}_{00\frac{1}{2}}$	$2^{010}_{00\frac{1}{2}}$	i	$2^{1\bar{1}0}$	$Cm_{(2)}^{100}$	$Cm_{(6)}^{001}$		
						$\overline{66}$	6600		
0	(000)	0	0	0	0	00	0000		
	/			0	0	$\frac{\overline{00}}{2\overline{2}}$			
0	(000)	0	0	0	0	$2\overline{2}$	0000		
0	(000)	0 0 0	0 0 0	0	0	$\frac{2\overline{2}}{\overline{2}2}$	0000		
0 0 0 1	(000) (000) (000)	0 0 0 0	0 0 0	0 0 1	0 0 0	$ \begin{array}{r} 2\overline{2} \\ \overline{2}2 \\ 1\overline{1} \end{array} $	0000 0000 1100		
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ \hline 1 \\ 2 \end{array} $	(000) (000) (000) (000)	0 0 0 0	0 0 0 0	0 0 1 0	0 0 0 0	$ \begin{array}{r} 2\overline{2} \\ \overline{22} \\ 1\overline{1} \\ 2\overline{2} \end{array} $	$ \begin{array}{r} 0000 \\ 0000 \\ \hline 1\overline{1}00 \\ 2\overline{2}00 \end{array} $		
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ \hline 1 \\ 2 \\ 3 \end{array} $	(000) (000) (000) (000) (000)	0 0 0 0 0	0 0 0 0 0	0 0 1 0	0 0 0 0	$ \begin{array}{r} 2\overline{2} \\ \overline{22} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $	$ \begin{array}{r} 0000 \\ 0000 \\ 1\overline{100} \\ 2\overline{200} \\ 3\overline{3}00 \end{array} $		
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \end{array} $	(000) (000) (000) (000) (000) (000)	0 0 0 0 0 0	0 0 0 0 0 0	0 0 1 0 1 0	0 0 0 0 0	$ \begin{array}{r} 2\overline{2} \\ \overline{22} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \end{array} $	$\begin{array}{r} 0000 \\ 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \end{array}$		
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ \hline 1 \\ 2 \\ 3 \end{array} $	(000) (000) (000) (000) (000)	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 1 0 1 0	0 0 0 0 0 0	$ \begin{array}{r} \hline 2\overline{2} \\ \hline 22 \\ \hline 11 \\ 2\overline{2} \\ \hline 33 \\ 44 \\ \hline 55 \\ \end{array} $	$\begin{array}{c} 0000 \\ 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$		
0 0 0 1 2 3 4 5	(000) (000) (000) (000) (000) (000)	0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 66 P6_3'/4 \end{array} $	0 0 1 0 1 0 1 mc'm Clas	0 0 0 0 0 0 0 sification =	$ \begin{array}{c} 2\overline{2} \\ \overline{22} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ = \mathbb{Z}_{M}^{2} X_{BS} \end{array} $	$\begin{array}{c} 0000 \\ 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \hline \end{array}$	$=z_{3m,0}^{+}$	
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \end{array} $	(000) (000) (000) (000) (000) (000)	0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 66 P6_3'/4 \end{array} $	0 0 1 0 1 0	0 0 0 0 0 0	$ \begin{array}{r} \hline 2\overline{2} \\ \hline 22 \\ \hline 11 \\ 2\overline{2} \\ \hline 33 \\ 44 \\ \hline 55 \\ \end{array} $	$\begin{array}{c} 0000 \\ 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \hline \end{array}$	$=z_{3m,0}^{+}$	
0 0 0 1 2 3 4 5	(000) (000) (000) (000) (000) (000)	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 1 0 1 0 1 mc'm Clas	0 0 0 0 0 0 0 sification =	$ \begin{array}{c} 2\overline{2} \\ \overline{22} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ = \mathbb{Z}_{M}^{2} X_{BS} \end{array} $	$\begin{array}{c} 0000 \\ 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$	$=z_{3m,0}^{+}$	
$egin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline \mathbb{Z}_3 \\ \end{array}$	(000) (000) (000) (000) (000) (000) (000) weak	$\begin{matrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c} 0 \\ 0 \\ 1 \\ 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline mc'm Class $	$0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ sification = 2^{110}*$	$ \frac{2\overline{2}}{\overline{2}2} $ $ \frac{11}{22} $ $ \frac{3\overline{3}}{44} $ $ \frac{4\overline{4}}{5\overline{5}} $ $ = \mathbb{Z}_{M}^{2} \times_{BS} $ $ Cm_{(0)}^{100} $	$\begin{array}{c} 0000 \\ 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \hline \end{array}$	$=z_{3m,0}^{+}$	
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline \mathbb{Z}_3 \\ 0 \end{array} $	(000) (000) (000) (000) (000) (000) (000) weak (000) (000)	$\begin{matrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 56 \begin{array}{c} P6_3/4 \\ 2_{00\frac{1}{2}}^{010} \\ 0 \\ \end{array}$	0 0 1 0 1 0 1 mc'm Clas i*	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array} $ sification = $2^{110} *$	$ \begin{array}{c} 2\overline{2} \\ \overline{22} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ = \mathbb{Z}_{M}^{2} X_{BS} \\ Cm_{(0)}^{100} \\ 3\overline{3} \\ 2\overline{2} \end{array} $	$\begin{array}{c} 0000 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \end{array}$	$=z_{3m,0}^{+}$	
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline \mathbb{Z}_3 \\ 0 \\ 0 \\ 0 \end{array} $	(000) (000) (000) (000) (000) (000) (000) weak (000) (000)	$\begin{matrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	0 0 1 0 1 0 1 mc'm Clas i* 0 0	0 0 0 0 0 0 sification = 2 ¹¹⁰ * 1 0	$ \begin{array}{r} $	$\begin{array}{c} 0000 \\ 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 0000 \\ \hline \end{array}$	$=z_{3m,0}^{+}$	
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline \mathbb{Z}_3 \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{matrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\$	$ \begin{array}{c} 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ \hline $	0 0 0 0 0 0 sification = 2 ¹¹⁰ * 1 0	$ \begin{array}{c} 2\overline{2} \\ \overline{22} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ = \mathbb{Z}_{M}^{2} \times_{BS} \\ \underline{Cm_{(0)}^{100}} \\ 3\overline{3} \\ \underline{2\overline{2}} \\ \overline{22} \\ 1\overline{1} \end{array} $	$\begin{array}{c} 0000 \\ 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \end{array}$	$=z_{3m,0}^{+}$	
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline \mathbb{Z}_3 \\ 0 \\ 0 \\ 0 \end{array} $	(000) (000) (000) (000) (000) (000) (000) weak (000) (000)	$\begin{matrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 193.25 \\ 6_{00\frac{1}{2}}^{001} * \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \end{matrix}$	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	0 0 1 0 1 0 1 mc'm Clas i* 0 0 0	0 0 0 0 0 0 sification = 2 ¹¹⁰ * 1 0	$ \begin{array}{c} 2\overline{2} \\ \overline{22} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ \hline = \mathbb{Z}_{M}^{2} X_{BS} \\ Cm_{(0)}^{100} \\ 3\overline{3} \\ 2\overline{2} \\ \overline{22} \\ 1\overline{1} \\ 2\overline{2} \end{array} $	$\begin{array}{c} 0000 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline \end{array}$		
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline \mathbb{Z}_3 \\ 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ \end{array} $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{matrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\$	0 0 1 0 1 0 1 0 1 mc'm Clas i* 0 0 0 0 mcm' Clas	0 0 0 0 0 0 sification = 2 ¹¹⁰ * 1 0 0 sification =	$ \begin{array}{r} $	$\begin{array}{c} 0000 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline \end{array}$		
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline \mathbb{Z}_3 \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (weak	$\begin{matrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 193.25 \\ 6_{00\frac{1}{2}}^{001} * \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \end{matrix}$	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	0 0 1 0 1 0 1 mc'm Clas i* 0 0 0	0 0 0 0 0 0 sification = 2 ¹¹⁰ * 1 0	$ \begin{array}{c} 2\overline{2} \\ \overline{22} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ \hline = \mathbb{Z}_{M}^{2} X_{BS} \\ Cm_{(0)}^{100} \\ 3\overline{3} \\ 2\overline{2} \\ \overline{22} \\ 1\overline{1} \\ 2\overline{2} \end{array} $	$\begin{array}{c} 0000 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline \end{array}$		
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline \mathbb{Z}_3 \\ 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ \end{array} $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{matrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\$	0 0 1 0 1 0 1 mc'm Clas i* 0 0 0 0 0 0 mcm' Clas	0 0 0 0 0 0 0 sification = $2^{110}*$ 1 0 0 sification = 2^{110}	$ \begin{array}{c} 2\overline{2} \\ \overline{22} \\ \overline{22} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ \hline $	$\begin{array}{c} 0000 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline \end{array}$		
$egin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline & & & & \\ \hline & & & & \\ \hline & & & & \\ \hline & & & &$	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{matrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	$ \begin{array}{c} 0\\ 0\\ 1\\ 0\\ 1\\ 0\\ 1\\ mc'm \text{Clas}\\ i*\\ 0\\ 0\\ 0\\ 0\\ mcm' \text{Clas}\\ i* $	0 0 0 0 0 0 0 sification = 2 ¹¹⁰ * 1 0 0 sification = 2 ¹¹⁰	$ \frac{2\overline{2}}{\overline{22}} $ $ \frac{11}{2\overline{2}} $ $ \frac{3\overline{3}}{4\overline{4}} $ $ \frac{4\overline{4}}{5\overline{5}} $ $ = \mathbb{Z}_{M}^{2} X_{BS} $ $ \frac{Cm_{(0)}^{100}}{3\overline{3}} $ $ \frac{2\overline{2}}{\overline{22}} $ $ \overline{22} $ $ \frac{11}{2\overline{2}} $ $ = \mathbb{Z}_{M} X_{BS} $ $ m_{010}* $	$\begin{array}{c} 0000 \\ 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 0000 \\ \hline \end{array}$		
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{matrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	0 0 1 0 1 0 1 mc'm Clas i* 0 0 0 0 0 0 mcm' Clas	0 0 0 0 0 0 0 sification = $2^{110}*$ 1 0 0 sification = 2^{110}	$ \begin{array}{c} 2\overline{2} \\ \overline{22} \\ \overline{22} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ \hline $	$\begin{array}{c} 0000 \\ 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 2\overline{2}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline \end{array}$		
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline \mathbb{Z}_3 \\ 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ \hline \mathbb{Z}_3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{matrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	0 0 1 0 1 0 1 0 1 0 1 mc'm Clas i* 0 0 0 0 0 imcm' Clas i* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $ sification = $2^{110} *$ $ \begin{array}{c} 1 \\ 0 \\ 0 \\ \end{array} $ sification = 2^{110} $ \begin{array}{c} 0 \\ 0 \\ \end{array} $ o $ 0 \\ 0 \\ 0 \\ 0 $	$ \begin{array}{r} \frac{2\overline{2}}{\overline{2}2} \\ \overline{2}1 \\ \overline{1}1 \\ 2\overline{2} \\ \overline{3}3 \\ 4\overline{4} \\ \overline{55} \\ \overline{5} \\ \overline{2} \\ \overline{2}_{M} X_{BS} \\ \overline{Cm_{(0)}^{100}} \\ \overline{3} \\ \overline{2} \\ $	$\begin{array}{c} 0000 \\ 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 0000 \\ \hline \end{array}$		
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline \mathbb{Z}_3 \\ 0 \\ 0 \\ 1 \\ 2 \\ \hline \mathbb{Z}_3 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 1 \\ 0 \\ 0 \\ 1 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{matrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	0 0 1 0 1 0 1 0 1 0 1 mc'm Clas i* 0 0 0 0 0 mcm' Clas i* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 sification = 2 ¹¹⁰ * 1 0 sification = 2 ¹¹⁰ 0	$ \begin{array}{c} 2\overline{2} \\ \overline{22} \\ \overline{22} \\ \overline{11} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ = \mathbb{Z}_{M}^{2} X_{BS} \\ \overline{Cm_{(0)}^{100}} \\ \overline{33} \\ \overline{22} \\ \overline{22} \\ \overline{11} \\ \overline{22} \\ = \mathbb{Z}_{M} X_{BS} \\ \overline{m_{010}} * \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 0000 \\ 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline \end{array}$	$=z_{3m,0}^{+}$	
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline \mathbb{Z}_3 \\ 0 \\ 0 \\ 1 \\ 2 \\ \hline \mathbb{Z}_3 \\ 0 \\ 0 \\ 1 \\ 2 \\ \hline \end{array} $	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{matrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	$0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ mc'm$ Class $i*$ $0 \\ 0 \\ 0 \\ 0 \\ mcm'$ Class $i*$ $0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ Class (m'c'm)$ Class $i*$	0 0 0 0 0 0 0 sification = 2 ¹¹⁰ * 1 0 0 sification = 2 ¹¹⁰ 0 sification = 0 0 0	$ \begin{array}{c c} \hline 2\overline{2} \\ \hline 2\overline{2} \\ \hline 1\overline{1} \\ 2\overline{2} \\ \hline 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ \hline $	$\begin{array}{c} 0000 \\ 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 0000 \\ \hline 2\overline{2}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline \end{array}$	$=z_{3m,0}^{+}$	
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline \mathbb{Z}_3 \\ 0 \\ 0 \\ 1 \\ 2 \\ \hline \mathbb{Z}_3 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 1 \\ 0 \\ 0 \\ 1 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	(000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{matrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	0 0 1 0 1 0 1 0 1 0 1 mc'm Clas i* 0 0 0 0 0 mcm' Clas i* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 sification = 2 ¹¹⁰ * 1 0 sification = 2 ¹¹⁰ 0	$ \begin{array}{c} 2\overline{2} \\ \overline{22} \\ \overline{22} \\ \overline{11} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ = \mathbb{Z}_{M}^{2} X_{BS} \\ \overline{Cm_{(0)}^{100}} \\ \overline{33} \\ \overline{22} \\ \overline{22} \\ \overline{11} \\ \overline{22} \\ = \mathbb{Z}_{M} X_{BS} \\ \overline{m_{010}} * \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 0000 \\ 0000 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline = \mathbb{Z}_3 \text{SI} = \\ \hline Cm^{001}_{(3)} \\ \hline 3\overline{3}00 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline \end{array}$	$=z_{3m,0}^{+}$	

0	(000)	0	0	0	0	$2\overline{2}$			
1	(000)	1	1	1	0	11			
		193.2	$259 P6_{2}'$	m'cm' C	lassification	$=\mathbb{Z}_2$ X	$I_{BS} = \mathbb{Z}_2$ $SI =$	$= z'_{2D}$	
$\overline{\mathbb{Z}_2}$	weak	$6^{001}_{00\frac{1}{2}}*$	$2_{00\frac{1}{2}}^{010}$	i	$2^{1\overline{10}}*$	$m_{010}*$	<u> </u>	2F	
0	(000)	00 ½	00 ½	0	0	0			
1	(000)	1	0	1	1	0			
							$S = \mathbb{Z}_{3,6}$ $SI =$	<u>~</u> + ~+	
777		6001 F	$\frac{93/1110711}{9010}$	$\frac{\text{Classifica}}{i}$	$\frac{1101 = Z_M}{2^{110}}$ *		$S = \mathbb{Z}_{3,6}$ $S1 = 0.001$	$z_{3m,\pi}, z_{6m,0}$	
$\mathbb{Z}_{3,6}$	weak	$6^{001}_{00\frac{1}{2}}$	$2^{010}_{00\frac{1}{2}}*$			$m_{010}*$	$Cm_{(6)}^{001}$		
00	(006)	3	1	0	0	0	0633		
00	(0012)	$\frac{6}{2}$	0	0	0	0	$\overline{30}, 18, \overline{6}, \overline{6}$		
00	$(00\overline{6})$	$\frac{\overline{3}}{1}$	$\frac{1}{0}$	0	0	0	$\frac{12, \overline{6}, 3, 3}{\overline{5311}}$		
$\frac{01}{02}$	(002)	2	0	$\frac{1}{0}$	1 0	0	$\frac{\overline{10}, 6, \overline{2}, \overline{2}}{\overline{10}}$		
$\frac{02}{03}$	(004)	3	0	1	1	0	$\frac{10, 0, 2, 2}{15, 9, \overline{3}, \overline{3}}$		
$\frac{03}{04}$	(008)	4	0	0	0	0	$\frac{15, 9, 3, 3}{20, 12, \overline{4}, \overline{4}}$		
05	(0010)	5	0	1	1	0	$\frac{25, 12, 4, 4}{25, 15, 5, 5}$		
10	(002)	1	1	0	0	0	$0\overline{211}$		
11	(004)	2	1	1	1	0	$\frac{5211}{5122}$		
12	(006)	3	1	0	0	0	$\frac{\overline{10}, 4, \overline{3}, \overline{3}}{\overline{10}}$		
13	(008)	4	1	1	1	0	$\frac{15}{15}$, 7, $\frac{7}{4}$, $\frac{7}{4}$		
14	(0010)	5	1	0	0	0	$\overline{20}, 10, \overline{5}, \overline{5}$		
15	(0012)	6	1	1	1	0	$\overline{25}, 13, \overline{6}, \overline{6}$		
20	(004)	2	0	0	0	0	$0\overline{422}$		
21	(006)	3	0	1	1	0	5133		
22	(008)	4	0	0	0	0	$\overline{10}, 2, \overline{4}, \overline{4}$		
23	(0010)	5	0	1	1	0	$\overline{15}, 5, \overline{5}, \overline{5}$		
24	(0012)	6	0	0	0	0	$\overline{20}, 8, \overline{6}, \overline{6}$		
25	(0014)	7	0	1	1	0	$\overline{25}, 11, \overline{7}, \overline{7}$		
		193.26	$62 P_c 6_3/c$	mcm Cla	ssification =	\mathbb{Z}_M^2 X ₁	$_{\rm BS} = \mathbb{Z}_6 {\rm SI} =$	$z_{6m,0}^{+}$	
\mathbb{Z}_6	weak	$\{1 00\frac{1}{2}\}*$	$6^{001}*$	$2^{010}_{00\frac{1}{2}}$	$i_{00\frac{1}{2}}*$	$2^{1\overline{10}}_{00\frac{1}{2}}*$	$Cm_{(2)}^{100}$	$Cm_{(6)}^{001}$	
0	(000)	0	0	0	0	0	$6\overline{6}$	6600	
0	(000)	0	0	0	0	0	$2\overline{2}$	0000	
0	(000)	0	0	0	0	0	$\overline{2}2$	0000	
1	(000)	1	1	0	0	1	$1\overline{1}$	$1\overline{1}00$	
2	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}00$	
3	(000)	1	1	0	0	1	$3\overline{3}$	$3\overline{3}00$	
4	(000)	0	0	0	0	0	$4\overline{4}$	$4\overline{4}00$	
5	(000)	1	1	0	0	1	$5\overline{5}$	$5\overline{5}00$	
		194.2	$63 P6_3/r$	mmc Clas	ssification =	\mathbb{Z}_M^2 X _E	$_{\mathrm{BS}} = \mathbb{Z}_6 \mathrm{SI} =$	$z_{6m,0}^{+}$	
\mathbb{Z}_6	weak	$6^{001}_{00\frac{1}{2}}$	2^{010}	i	$2^{110}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{010}$	$Cm_{(2)}^{110}$	$Cm_{(6)}^{001}$	
0	(000)	0	0	0	$\frac{0}{0}$	$\frac{00_2}{0}$	66	6600	
0	(000)	0	0	0	0	0	$2\overline{2}$	0000	
0	(000)	0	0	0	0	0	$\overline{2}2$	0000	
1	(000)	0	0	1	0	1	$1\overline{1}$	$1\overline{1}00$	_
2	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}00$	
3	(000)	0	0	1	0	1	$3\overline{3}$	$3\overline{3}00$	
4	(000)	0	0	0	0	0	$4\overline{4}$	$4\overline{4}00$	
5	(000)	0	0	1	0	1	$5\overline{5}$	$5\overline{5}00$	
		194.26	$66 P6_3/r$	nm'c Cla	ssification =	\mathbb{Z}_M X ₁	$_{\mathrm{BS}} = \mathbb{Z}_3 \mathrm{SI} =$	$z_{3m,0}^{+}$	
\mathbb{Z}_3	weak	$6^{001}_{00\frac{1}{2}}*$	2^{010}	i*	$2^{110}_{00\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{010}$	$Cm_{(3)}^{001}$		
0	(000)	$\frac{00_{\overline{2}}}{1}$	0	0	$\frac{00_{\overline{2}}}{1}$	$\frac{1}{1}$	$\frac{3\overline{3}00}{3}$		
0	(000)	0	0	0	0	0	0000		

1	(000)	1	0	0	1	1	1100			
2	(000)	0	0	0	0	0	$2\overline{2}00$			
		194.26	$67 P6_3'/r$	nmc' Clas	sification =	\mathbb{Z}_M^2 $X_{\mathbb{F}}$	$_{\mathrm{BS}} = \mathbb{Z}_3$ $\mathrm{SI} =$	$z_{3m,0}^{+}$		
\mathbb{Z}_3	weak	$6^{001}_{00\frac{1}{2}}*$	2010*	i*	$2^{1\overline{1}0}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{010}*$	$Cm_{(0)}^{110}$	$Cm_{(3)}^{001}$		
0	(000)	1	1	0	$00_{\overline{2}}$	$00\frac{1}{2}$	$\frac{\overline{3\overline{3}}}{3\overline{3}}$	$\frac{3\overline{3}00}{3\overline{3}00}$		
0	(000)	0	0	0	0	0	$\frac{\overline{22}}{2}$	0000		
0	(000)	0	0	0	0	0	$\frac{2}{2}$	0000		
1	(000)	1	1	0	0	0	$1\overline{1}$	$1\overline{1}00$		
2	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}00$		
		194.2	$268 P6_{2}'$	m'm'c Cla	assification	$=\mathbb{Z}_2$ X	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ SI =	= z' _{0.D}		
$\overline{\mathbb{Z}_2}$	weak	$6^{001}_{00\frac{1}{2}}*$	2 ⁰¹⁰ *	$\frac{i}{i}$	$2^{110}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{010}$	B5 -2 ~-	~2P		
0	(000)	$\frac{00\frac{1}{2}}{0}$	0	0	$\frac{-00\frac{1}{2}}{0}$	$\frac{g_{00\frac{1}{2}}}{0}$				
1	(000)	1	1	1	0	1				
	(000)						, , , , , , , , , , , , , , , , , , ,			
	1		$\frac{69 P6_3'}{2^{010}}$		ssification		$X_{\rm BS} = \mathbb{Z}_2 \text{SI} = \mathbb{Z}_2$	$=z_{2P}$		
\mathbb{Z}_2	weak	$6^{001}_{00\frac{1}{2}}*$		i	$2^{1\overline{10}}_{00\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{010}*$	$Cm_{(2)}^{110}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
1	(000)	1	0	1	1	0	$1\overline{1}$			
		194.270 P6	63/mm'c'	Classificat	$ion = \mathbb{Z}_M$	$\times \mathbb{Z} - X_{BS}$	$S = \mathbb{Z}_{3,6}$ $SI =$	$z_{3m,\pi}^+, z_{6m,0}^+$)	
$\mathbb{Z}_{3,6}$	weak	$6_{00\frac{1}{2}}^{001}$	$2^{010}*$	i	$2^{110}_{00\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{010}*$	$Cm_{(6)}^{001}$			
00	(006)	3	0	0	1	3	0633			
00	(0012)	6	0	0	0	6	$\overline{30}, 18, \overline{6}, \overline{6}$			
00	$(00\overline{6})$	3	0	0	1	3	$12, \overline{6}, 3, 3$			
01	(002)	1	1	1	0	1	$\overline{5}3\overline{11}$			
02	(004)	2	0	0	0	2	$\overline{10}, 6, \overline{2}, \overline{2}$			
03	(006)	3	1	1	0	3	$\overline{15}, 9, \overline{3}, \overline{3}$			
04	(008)	4	0	0	0	4	$\overline{20}, 12, \overline{4}, \overline{4}$			
05	(0010)	5	1	1	0	5	$\overline{25}, \overline{15}, \overline{5}, \overline{5}$			
10	(002)	1	0	0	1	1	$0\overline{211}$			
11	(004)	2	1	1	1	2	5122			
12	(006)	3	0	0	1	3	$\overline{10}, 4, \overline{3}, \overline{3}$			
13	(008)	4	1	1	1	4	$\overline{15}, 7, \overline{4}, \overline{4}$			
14	(0010)	5	0	0	1	5	$\frac{\overline{20}, 10, \overline{5}, \overline{5}}{\overline{25}, 10, \overline{6}, \overline{6}}$			
15	(0012)	6	1	1	1	6	$\overline{25}, 13, \overline{6}, \overline{6}$			
$\frac{20}{21}$	(004)	$\frac{2}{3}$	0	0	0	3	$\frac{0\overline{422}}{5133}$			
$\frac{21}{22}$	(008)	4	0	0	0	4	$\frac{\overline{10,2,\overline{4},\overline{4}}}$			
$\frac{22}{23}$	(0010)	5	1	1	0	5	$\frac{10, 2, 4, 4}{15, 5, \overline{5}, \overline{5}}$			
$\frac{23}{24}$	(0010)	6	0	0	0	6	$\frac{15, 5, \overline{5}, \overline{6}}{\overline{20}, 8, \overline{6}, \overline{6}}$			
$\frac{24}{25}$	(0012)	7	1	1	0	7	$\frac{25, 0, 0, 0, 0}{25, 11, 7, 7}$			
	(0011)	104.0						+		
	1	194.27	$\frac{(2 P_c o_{3/})}{6^{001}*}$	mmc Clas		$\frac{\mathbb{Z}_{M}}{\Lambda_{110}}$	$_{\mathrm{BS}} = \mathbb{Z}_6 \mathrm{SI} =$	$z_{6m,0} = 0.01$	Q 210	
\mathbb{Z}_6	weak	$\{1 00\frac{1}{2}\}*$		$2^{010}_{00\frac{1}{2}}*$	$i_{00\frac{1}{2}}*$	$2^{1\overline{10}}_{00\frac{1}{2}}$	m ₀₁₀ *	$Cm_{(6)}^{001}$	$Cm_{(2)}^{\overline{2}10}$	
0	(000)	0	0	0	0	0	0	6600	$\frac{6\overline{6}}{\overline{2}}$	
0	(000)	0	0	0	0	0	0	0000	$\frac{\overline{2}2}{2\overline{2}}$	
0	(000)	0	0	0	0	0	0	0000	$\frac{2\overline{2}}{1\overline{1}}$	
1	(000)	1	1	1	0	0	0	$\frac{1\overline{1}00}{2\overline{2}00}$	11	
2	(000)	0	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$	$\frac{2\overline{2}}{2\overline{2}}$	
3	(000)	1	1	1	0	0	0	$\frac{3\overline{3}00}{4\overline{4}00}$	$\frac{3\overline{3}}{4\overline{4}}$	
$\frac{4}{5}$	(000)	0	0	0	0	0	0	$\frac{4\overline{4}00}{5\overline{5}00}$	$\frac{4\overline{4}}{5\overline{5}}$	
	(000)	1	1	1					<u>ე</u>	
FTT	1	200.1		Classificati	$\operatorname{con} = \mathbb{Z}_M^2$	$X_{BS} = \mathbb{Z}$	$SI = z'_{2P}$	z_{4P}'		
$\mathbb{Z}_{2,4}$	weak	3^{111}	2^{100}	i	$Cm_{(2)}^{100}$					

00	(000)	0	0	0	$\overline{2}22\overline{2}$				
00	(000)	0	0	0	$4\overline{4}00$	·			
00	(000)	0	0	0	$\overline{2}2\overline{2}2$				
03	(000)	0	0	1	$1\overline{1}00$				
02	(000)	0	0	0	$2\overline{2}00$				
01	(000)	0	0	1	3300				
10	(000)	0	0	0	<u>1</u> 111 <u>1</u>				
13	(000)	0	0	1	$001\overline{1}$				
12	(000)	0	0	0	$1\overline{1}1\overline{1}$				
11	(000)	0	0	1	$2\overline{2}1\overline{1}$				
		20	$0.17 ext{ } F$	$2m\bar{3}$ Classifi	cation $= \mathbb{Z}$	$\chi_M = \chi_{RS} = 0$	\mathbb{Z}_4 SI = z'_{4P}		
\mathbb{Z}_4	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	3 ¹¹¹	$\frac{1}{2^{100}}$	i	$Cm_{(2)}^{010}$	4P		
0	(000)	0	0	0	0	$4\overline{400}$			
0	(000)	0	0	0	0	0000			
3	(000)	1	0	0	1	$1\overline{1}00$			
2	(000)	0	0	0	0	$2\overline{2}00$			
1	(000)	1	0	0	1	3300			
	(/				$cation = \mathbb{Z}$		$Z_2 ext{SI} = z'_{2P}$		—
$\overline{\mathbb{Z}_2}$	weak	$\frac{2}{3^{111}}$	$\frac{01.18}{2_{0\frac{1}{2}\frac{1}{2}}^{100}}$	$\frac{i}{i}$	Cau1011 — Z	$\Lambda_{\rm BS} = \mathbb{Z}$	ω_2 or ω_{2P}		
0	(000)	0	0	0					
1	(000)	0	0	1					
			01.21	$P_I n \bar{3}$ Classifi	ication $= \mathbb{Z}$	$\mathbb{Z}_2 \mathbf{X}_{\mathrm{BS}} = \mathbb{Z}_2$	$\mathbb{Z}_2 \mathrm{SI} = z'_{2P}$		
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	3^{111}	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$				
0	(000)	0	0	0	0				
1	(000)	1	0	0	0				
		20		$7m\bar{3}$ Classifie	$cation = \mathbb{Z}$	$X_{\rm BS} = X_{\rm BS}$	\mathbb{Z}_4 SI = z'_{4P}		
\mathbb{Z}_4	weak	3^{111}	2^{100}	i	$Cm_{(2)}^{001}$				
0	(000)	0	0	0	$\frac{\sqrt{2}}{4\overline{4}}$				
0	(000)	0	0	0	00				
3	(000)	0	0	1	$1\overline{1}$				
2	(000)	0	0	0	$2\overline{2}$				
1	(000)	0	0	1	$3\overline{3}$				
		20	$2.25 ext{ } F$	$C_S m \bar{3}$ Classifi	$ication = \mathbb{Z}$	$\mathbb{Z}_M \mathbf{X}_{\mathrm{BS}} =$	\mathbb{Z}_4 SI = z'_{4P}		
\mathbb{Z}_4	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	3^{111}	2^{100}	i	$Cm_{(2)}^{100}$	1 41		
0	(000)	0	0	0	0	$\frac{(2)}{44}$			
0	(000)	0	0	0	0	00			
3	(000)	1	0	0	1	11			
2	(000)	0	0	0	0	$\frac{11}{2\overline{2}}$			
1	(000)	1	0	0	1	$3\overline{3}$			
			03.26	$Fd\bar{3}$ Classifi	$cation = \mathbb{Z}$	$X_{DC} = \mathbb{Z}$	$SI = z'_{2P}$		—
$\overline{\mathbb{Z}_2}$	weak	3111	$\frac{2_{0\frac{1}{4}\frac{1}{4}}^{100}}{2_{0\frac{1}{4}\frac{1}{4}}^{100}}$	$\frac{i}{i}$		-2 11BS — Z	$\sim 1 - \sim_{2P}$		
$\frac{2}{0}$	(000)	0	$\frac{2_{0\frac{1}{4}\frac{1}{4}}}{0}$	0					
$\frac{0}{1}$	(000)	0	0	0 1					
	(000)				· . · -	77 37 -	7 OT '		_
F77	1		$\frac{03.29}{3^{111}}$	$F_S d\bar{3}$ Classif		$\mathbb{Z}_2 X_{\mathrm{BS}} = \mathbb{Z}_2$	\mathbb{Z}_2 SI = z'_{2P}		
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	3111	$2^{100}_{0\frac{1}{4}\frac{1}{4}}$	i				
0	(000)	0	0	0	0				
1	(000)	1	0	0	1				
		20		$m\bar{3}$ Classifie	cation = \mathbb{Z}	$X_{BS} = Z$	\mathbb{Z}_4 SI = z'_{4P}		
\mathbb{Z}_4	weak	3^{111}	2^{100}	i	$Cm_{(2)}^{010}$				
0	(000)	0	0	0	$\frac{(2)}{44}$				
0	(000)	0	0	0	00				
3	(000)	0	0	1	11				

	(000)								
2	(000)	0	0	0	$2\overline{2}$				
1	(000)	0	0	1	$3\overline{3}$				
			205.33 P	$a\bar{3}$ Classif	fication = \mathbb{Z}_2	$X_{DC} = \mathbb{Z}_2$	$SI = z'_{a,p}$		
$\overline{\mathbb{Z}_2}$	weak	3 ¹¹¹	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	$\frac{i}{i}$	22	1103 22	<i>51</i> ≈2 <i>p</i>		
0	(000)	0	0	0					
1	(000)	0	0	1					
			$205.36 P_{I}$	a3 Classi	fication = \mathbb{Z}_2	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2D}$		
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$3^{111}_{\frac{1}{2}0^{\frac{1}{2}}}$	$2^{100}_{00\frac{1}{2}}*$			2.F		
					$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$ *				
0	(000)	0	0	0	0				
1	(000)	1	0	1	0				
			206.37 I c	$a\bar{3}$ Classif	ication = \mathbb{Z}_2	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$		
$\overline{\mathbb{Z}_2}$	weak	3^{111}	$2^{100}_{00\frac{1}{2}}$	i			21		
0	(000)	0	00 ½	0					
	· /			1					
1	(000)	0	0						
			$5.70 P\bar{4}3$	m Classif	fication = \mathbb{Z}_M	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$		
\mathbb{Z}_2	weak	3^{111}	$\bar{4}^{100}$	$Cm_{(0)}^{110}$					
0	(000)	0	0	$\frac{\overline{22}}{2}$					
0	(000)	0	0	$2\overline{2}$					
1	(000)	0	1	$\frac{22}{11}$					
	(000)		-		C 1: 577	V F7	CI		
					fication = \mathbb{Z}_M	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$		
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	3^{111}	$\bar{4}^{100}$	$Cm_{(0)}^{011}$				
0	(000)	0	0	0	$2\overline{2}$				
0	(000)	0	0	0	$2\overline{2}$				
1	(000)	1	0	1	$1\overline{1}$				
	, ,	21	$6.74 ext{ } F\overline{4}3$	m Classif	fication = \mathbb{Z}_M	$X_{DG} = \mathbb{Z}_0$	$SI = z_{2,S_4}$		
77	weak	3111	$\frac{10.11}{4^{100}}$		Z_M	1185 — 222	$S1 = z_2, s_4$		
\mathbb{Z}_2				$Cm_{(0)}^{10\overline{1}}$					
0	(000)	0	0	$2\overline{2}$					
0	(000)	0	0	$2\overline{2}$					
1	(000)	0	1	$1\overline{1}$					
		210	$6.77 ext{ } F_{S}\overline{43}$	3m Classi	fication = \mathbb{Z}_M	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$		
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	3111	$\bar{4}^{100}$	$Cm_{(0)}^{110}$		2,04		
0	(000)	0	0	0	$\frac{2\overline{2}}{2}$				
0	(000)	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$				
	, ,				$\frac{22}{1\overline{1}}$				
1	(000)	1	0	1					
			$17.78 I\bar{4}3$		ication = \mathbb{Z}_M	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$		
\mathbb{Z}_2	weak	3^{111}	$\bar{4}^{100}$	$Cm_{(0)}^{011}$					
0	(000)	0	0	$\frac{\overline{22}}{2}$					
0	(000)	0	0	$\frac{-2}{2}$					
1	(000)	0	1	1 <u>1</u>					
	(000)				C 1:	V "	СТ		
			$\frac{18.81}{7100}$ $P\bar{4}$		fication = \mathbb{Z}_2	$X_{BS} = \mathbb{Z}_2$	$51 = z_{2,S_4}$		
\mathbb{Z}_2	weak	3^{111}	$\bar{4}^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$g^{110}_{rac{1}{2}rac{1}{2}rac{1}{2}}$					
0	(000)	0	0	0					
1	(000)	0	1	1					
	/	ŋ.	$18.84 P_{I}\bar{4}$	3n Classi	$fication = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	SI - 20 0		
77	mool.		$\frac{10.04 F_{14}}{3^{111}}$	$\frac{3n}{4^{100}}$ *		$\Delta_{\rm BS} - \pi_2$	51 - 2.54		
$\frac{\mathbb{Z}_2}{0}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$			$m_{110}*$				
0	(000)	0	0	0	0				
1	(000)	1	0	0	0				
			19.85 $F\bar{4}$		ication = \mathbb{Z}_2	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$		
\mathbb{Z}_2	weak	3^{111}	$\bar{4}^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$g^{110}_{rac{1}{2}rac{1}{2}rac{1}{2}}$			<u> </u>		
0	(000)	0	$\frac{\overline{2}\ \overline{2}\ \overline{2}}{0}$	$\frac{\overline{2} \overline{2} \overline{2}}{0}$					
1	(000)	0	1	1					
	(000)	U	τ	1					

		01/) 00 T	ia (1 ·	C 1: 77	3 7	77 CT		
	1		$\frac{9.88 F_{S^4}}{3^{111}}$	$\frac{13c}{4^{100}*}$ Classi		$\Lambda_{ m BS}$	$=\mathbb{Z}_2$ SI $=z_{2,S_4}$:	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$			$m_{110}*$				
0	(000)	0	0	0	0				
1	(000)	1	0	0	0				
			$0.89 I\bar{4};$	8d Classif	ication = \mathbb{Z}_2	X_{BS}	$=\mathbb{Z}_2$ $SI=z_{2,S_4}$		
\mathbb{Z}_2	weak	3^{111}	$\bar{4}^{100}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}$	$g^{110}_{rac{1}{4}rac{1}{4}rac{1}{4}}$					
0	(000)	0	0	0					
1	(000)	0	1	1					
		221.92	$Pm\bar{3}m$	Classifica	ation = \mathbb{Z}_M^3	$X_{BS} =$	$= \mathbb{Z}_{4,8} \mathrm{SI} = z_{4m,2}^+$	$_{\pi},z_{8}$	
$\overline{\mathbb{Z}_{4,8}}$	weak	3^{111}	4^{100}	i	2^{110}	$\bar{4}^{100}$	$Cm_{(4)}^{100}$	$Cm_{(2)}^{011}$	
00	(000)	0	0	0	0	0	$\overline{20}, 20, 4, \overline{4}$	$\frac{(2)}{24,24}$	
00	(000)	0	0	0	0	0	8800	88	
00	(000)	0	0	0	0	0	$88\overline{4}4$	6 6	
00	(000)	0	0	0	0	0	$\overline{4}400$	$\overline{2}2$	
03	(000)	0	0	1	0	1	$1\overline{1}00$	$1\overline{1}$	
06	(000)	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}$	
01	(000)	0	0	1	0	1	$3\overline{3}00$	$3\overline{3}$	
04	(000)	0	0	0	0	0	$4\overline{4}00$	$4\overline{4}$	
07	(000)	0	0	1	0	1	$5\overline{5}00$	$5\overline{5}$	
02	(000)	0	0	0	0	0	$6\overline{6}00$	$6\overline{6}$	
05	(000)	0	0	1	0	1	$7\overline{7}00$	$7\overline{7}$	
10	(000)	0	0	0	0	0	$\overline{5}51\overline{1}$	$\overline{6}6$	
13	(000)	0	0	1	0	1	$\overline{4}41\overline{1}$	$\overline{5}5$	
16	(000)	0	0	0	0	0	$\overline{3}31\overline{1}$	$\overline{4}4$	
11	(000)	0	0	1	0	1	$\overline{2}21\overline{1}$	$\overline{3}3$	
14	(000)	0	0	0	0	0	<u>1</u> 111 <u>1</u>	$\overline{2}2$	
17	(000)	0	0	1	0	1	$001\overline{1}$	$\overline{1}1$	
12	(000)	0	0	0	0	0	1 <u>1</u> 1 <u>1</u>	00	
15	(000)	0	0	1	0	1	$2\overline{2}1\overline{1}$	$1\overline{1}$	
20	(000)	0	0	0	0	0	$\overline{10}, 10, 2, \overline{2}$	12, 12	
23	(000)	0	0	1	0	1	$\overline{9}92\overline{2}$	11, 11	
26	(000)	0	0	0	0	0	$\overline{8}82\overline{2}$	10, 10	
21	(000)	0	0	1	0	1	$\overline{7}72\overline{2}$	$\overline{9}9$	
24	(000)	0	0	0	0	0	$\overline{6}62\overline{2}$	$\overline{8}8$	
27	(000)	0	0	1	0	1	$\overline{5}52\overline{2}$	$\overline{7}7$	
22	(000)	0	0	0	0	0	$\overline{4}42\overline{2}$	$\overline{6}6$	
25	(000)	0	0	1	0	1	$\overline{3}32\overline{2}$	$\overline{5}5$	
30	(000)	0	0	0	0	0	$\overline{15}, 15, 3, \overline{3}$	$\overline{18}, 18$	
33	(000)	0	0	1	0	1	$\overline{14}, 14, 3, \overline{3}$	$\overline{17}, 17$	
36	(000)	0	0	0	0	0	$\overline{13}, 13, 3, \overline{3}$	$\overline{16}, 16$	
31	(000)	0	0	1	0	1	$\overline{12}, 12, 3, \overline{3}$	$\overline{15}, 15$	
34	(000)	0	0	0	0	0	$\overline{11}, 11, 3, \overline{3}$	$\overline{14}, 14$	
37	(000)	0	0	1	0	1	$\overline{10}, 10, 3, \overline{3}$	13, 13	
32	(000)	0	0	0	0	0	$\overline{9}93\overline{3}$	$\overline{12}, 12$	
35	(000)	0	0	1	0	1	$\overline{8}83\overline{3}$	$\overline{11}, 11$	
		221.9	94 Pm'	g'm Class	ification = \mathbb{Z}_{I}	$_{M}$ X_{B}	$SS = \mathbb{Z}_2$ $SI = z_2$	S_4	
\mathbb{Z}_2	weak	3^{111}	$4^{100}*$	i*	$2^{110}*$	$\bar{4}^{100}$	$Cm_{(0)}^{011}$		
0	(000)	0	0	0	0	0	$\frac{\overline{22}}{2}$		
0	(000)	0	0	0	0	0	$2\overline{2}$		
1	(000)	0	1	0	1	1	1 <u>1</u>		
	/	221.95	$Pm\bar{3}m'$	Classifica	ation = \mathbb{Z}_M^2	X _{Rg} =	$\mathbb{Z}_{2,4}$ $\mathrm{SI} = z'_{2P,1}$	$,z'_{AD}$	
$\overline{\mathbb{Z}_{2,4}}$	weak	3 ¹¹¹	4 ¹⁰⁰ *	$\frac{i}{i}$	$\frac{2^{110}*}{2^{110}}$	$\frac{1100}{4^{100}}*$	$\frac{22,4}{m_{101}*}$	$\frac{7 \sim 4P}{Cm_{(2)}^{100}}$	
$\frac{22,4}{00}$	(000)	0	0	0	0	0	0	$\frac{\overline{2222}}{222}$	
	(000)	U		<u> </u>	0	0	0		

00	(000)	0	0	0	0	0	0	4400		
00	(000)	0	0	0	0	0	0	$\overline{2}2\overline{2}2$		
03	(000)	0	1	1	1	0	0	$1\overline{1}00$		
02	(000)	0	0	0	0	0	0	$2\overline{2}00$		
01	(000)	0	1	1	1	0	0	$3\overline{3}00$		
10	(000)	0	0	0	0	0	0	<u>1</u> 111 <u>1</u>		
13	(000)	0	1	1	1	0	0	$001\overline{1}$		
12	(000)	0	0	0	0	0	0	1111		
11	(000)	0	1	1	1	0	0	$2\overline{2}1\overline{1}$		
	/ /		1 07 Pr	m\bar{2}m Class	ification -	\mathbb{Z}_M^2 X_{BS}	_ 7. SI.			
\mathbb{Z}_8	weak		$\frac{1.97 - 17}{3^{111}}$	$\frac{1113111}{4^{100}}$	$\frac{i}{i}$	$\frac{2110}{2110}$	$\frac{-28}{4^{100}}$	$\frac{-z_8}{Cm_{(2)}^{011}}$	$Cm_{(4)}^{001}$	
		$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$								
0	(000)	0	0	0	0	0	0	88	8800	
0	(000)	0	0	0	0	0	0	$\frac{\overline{2}2}{\overline{c}c}$	<u>4400</u>	
0	(000)	0	0	0	0	0	0	<u>66</u>	<u>4400</u>	
3	(000)	1	0	0	1	0	1	$1\overline{1}$	$1\overline{1}00$	
6	(000)	0	0	0	0	0	0	$2\overline{2}$	$2\overline{2}00$	
1	(000)	1	0	0	1	0	1	33	$3\overline{3}00$	
4	(000)	0	0	0	0	0	0	$4\overline{4}$	$4\overline{4}00$	
7	(000)	1	0	0	1	0	1	5 <u>5</u>	$5\overline{5}00$	
2	(000)	0	0	0	0	0	0	$6\overline{6}$	6 6 00	
5	(000)	1	0	0	1	0	1	$7\overline{7}$	$7\overline{7}00$	
		22	22.98 P	$n\bar{3}n$ Classif	fication =	$\mathbb{Z}_2 X_{BS} =$	\mathbb{Z}_2 SI =	z'_{2P}		
\mathbb{Z}_2	weak	3111	$4^{100}_{0\frac{1}{2}0}$	i	$2^{110}_{00\frac{1}{2}}$	$\frac{100}{4_{0\frac{1}{2}0}^{100}}$	$g_{0\frac{1}{2}0}^{101}$	21		
0	(000)	0	0 ± 0	0	$00\frac{1}{2}$	$0\frac{1}{2}0$	0			
1	(000)	0	0	1	0	1	1			
	(000)					1	1 07			
			.100 Pr		incation =	\mathbb{Z}_2 $X_{BS} =$	\mathbb{Z}_2 $SI =$	z_{2,S_4}		
\mathbb{Z}_2	weak	3^{111}	$4^{100}_{0\frac{1}{2}0}*$	i*	$2^{110}_{00\frac{1}{2}}*$	$\bar{4}^{100}_{0\frac{1}{2}0}$	$g_{0\frac{1}{2}0}^{101}$			
0	(000)	0	0	0	0	0	0			
1	(000)	0	1	0	1	1	1			
		22	2.101 P	$2n\bar{3}n'$ Class	ification =	. Z₂ Xpg =	\mathbb{Z}_2 SI =	2/2 D		
$\overline{\mathbb{Z}_2}$	weak	3 ¹¹¹	$4^{100}_{0\frac{1}{2}0}*$	$\frac{i}{i}$	$\frac{2^{110}_{00\frac{1}{2}}*}{2^{110}_{00\frac{1}{2}}}$	$\frac{32}{4_{0\frac{1}{2}0}^{100}}*$	$g_{0\frac{1}{2}0}^{101}*$	~2P		
	(000)		$\frac{10\frac{1}{2}0}{0}$			$\frac{10\frac{1}{2}0}{0}$	$\frac{g_{0\frac{1}{2}0}}{0}$			
	\ /	0		0	0	0				
1	(000)	0	1		1		0			
			2.103 P	$P_I n 3n$ Class		\mathbb{Z}_2 $\mathbb{X}_{\mathrm{BS}} =$	$=\mathbb{Z}_2$ SI $=$	z_{2P}^{\prime}		
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	3^{111}	$4^{100}_{0\frac{1}{2}0}$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{110}_{00\frac{1}{2}}$	$\bar{4}^{100}_{\frac{1}{2}0\frac{1}{2}}*$	$g_{\frac{1}{2}0\frac{1}{2}}^{101}*$		
0	(000)	0	0	0	0	0 2	0	0		
1	(000)	1	0	0	0	0	0	0		
	/	222	3.104 P	$m\bar{3}n$ Classi	fication =	7.1. Xpg -	$=\mathbb{Z}_4$ SI $=$	- ~'		
\mathbb{Z}_4	weak	3111		$\frac{i}{i}$	2110	$\frac{\omega_M}{\overline{\Lambda}^{100}}$	$\frac{-\omega_4}{c^{101}}$	$\frac{\sim_{4P}}{C_{m}^{100}}$		
			$4^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$		$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$g^{101}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$Cm_{(4)}^{100}$		
0	(000)	0	0	0	0	0	0	4400		
0	(000)	0	0	0	0	0	0	0000		
3	(000)	0	0	1	0	1	1	1100		
2	(000)	0	0	0	0	0	0	$2\overline{2}00$		
1	(000)	0	0	1	0	1	1	$3\overline{3}00$		
				$n'\bar{3}'n$ Class	ification =	\mathbb{Z}_2 $\mathbb{X}_{\mathrm{BS}} =$	$=\mathbb{Z}_2$ SI $=$	\overline{z}_{2,S_4}		
\mathbb{Z}_2	weak	3^{111}	$4^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{100}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$g^{101}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$			
0	(000)	0	$\frac{\overline{2}\overline{2}\overline{2}}{0}$	0	$\frac{\overline{2} \overline{2} \overline{2}}{0}$	$\frac{\overline{2}\ \overline{2}\ \overline{2}}{0}$	$\frac{0}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$			
1	(000)	0	1	0	1	1	1			
	(500)		0.107 Pr							
	**** 1-	$\frac{223}{3^{111}}$			$\frac{\text{ification}}{2^{110}} =$	$\frac{\omega_M}{\sqrt{100}}$ Λ_{BS} :	$=\mathbb{Z}_4$ SI =	$\frac{-z_{4P}}{C_{\infty}}$ 100		
\mathbb{Z}_4	weak		$4^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{100}_{rac{1}{2}rac{1}{2}rac{1}{2}}*$	$g^{101}_{rac{1}{2}rac{1}{2}rac{1}{2}}*$	$Cm_{(2)}^{100}$		
0	(000)	0	0	0	0	0	0	$4\overline{4}00$		
0	(000)	0	0	0	0	0	0	0000		
										

3	(000)	0	1	1	1	0	0	1100		
2	(000)	0	0	0	0	0	0	$2\overline{2}00$		
1	(000)	0	1	1	1	0	0	3300		
		223	$R_{I} = R_{I}$	$m\bar{3}n$ Classi	ification =	\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_4$ SI $=$	z'_{AP}		
$\overline{\mathbb{Z}_4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	3 ¹¹¹	$4^{100}*$	i	2110*	1 100*	$m_{101}*$	$Cm_{(4)}^{001}$	
0	(000)	0	0	0	0	0	0	0	$4\overline{400}$	
0	(000)	0	0	0	0	0	0	0	0000	
3	(000)	1	0	1	1	1	0	0	$1\overline{1}00$	
2	(000)	0	0	0	0	0	0	0	$2\overline{2}00$	
1	(000)	1	0	1	1	1	0	0	$3\overline{3}00$	
			4.110 Pr	$n\bar{3}m$ Classi	fication =	\mathbb{Z}_M X_{BS}	$= \mathbb{Z}_2 SI =$	z_{2P}'		
\mathbb{Z}_2	weak	3^{111}	$4^{100}_{\frac{1}{2}0\frac{1}{2}}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$\bar{4}^{100}_{\frac{1}{2}0\frac{1}{2}}$	$Cm_{(2)}^{011}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
1	(000)	0	0	1	0	1	11			
			112 Pn'	$\sqrt{3}$ 'm Classi	fication =	\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_2$ SI $=$	z_{2,S_4}		
\mathbb{Z}_2	weak	3^{111}	$4^{100}_{\frac{1}{2}0\frac{1}{2}}*$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{100}_{\frac{1}{2}0\frac{1}{2}}$	$Cm_{(0)}^{011}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
1	(000)	0	1	0	1	1	11			
			4.113 Pr	$n\bar{3}m'$ Class			$= \mathbb{Z}_2 SI =$	z_{2P}'		
\mathbb{Z}_2	weak	3^{111}	$4^{100}_{\frac{1}{2}0\frac{1}{2}}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{100}_{\frac{1}{2}0\frac{1}{2}}*$	$g_{\frac{1}{2}0\frac{1}{2}}^{101}*$			
0	(000)	0	0	0	0	0	0			
1	(000)	0	1	1	1	0	0			
		224	$1.115 P_{I}$	$n\bar{3}m$ Classi	ification =	\mathbb{Z}_M X_{BS}		z'_{2P}		
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	3^{111}	$4^{100}_{0\frac{1}{2}0}*$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{110}_{00\frac{1}{2}}*$	$\bar{4}^{100}_{\frac{1}{2}0\frac{1}{2}}$	$Cm_{(2)}^{011}$		
0	(000)	0	0	0	0	0	0	$2\overline{\overline{2}}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}$		
1	(000)	1	0	1	0	1	1	1 <u>1</u>		
		22	$5.116 ext{ } F$	$m\bar{3}m$ Class	sification =	$=\mathbb{Z}_M^2$ X_{BS}	$S = \mathbb{Z}_8$ SI =	= z ₈		
\mathbb{Z}_8	weak	3^{111}	4^{100}	i	2^{110}	$\frac{N_1}{4}$ 100	$Cm_{(4)}^{001}$	$Cm_{(2)}^{101}$		
0	(000)	0	0	0	0	0	88	88		
0	(000)	0	0	0	0	0	$\overline{2}2$	$\overline{4}4$		
0	(000)	0	0	0	0	0	66	44		
3	(000)	0	0	1	0	1	$\frac{1\overline{1}}{2\overline{2}}$	11		
6	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	$\frac{2\overline{2}}{2\overline{2}}$		
$\frac{1}{4}$	(000)	0	0	1 0	0	1 0	$\frac{3\overline{3}}{4\overline{4}}$	$\frac{3\overline{3}}{4\overline{4}}$		
$\frac{4}{7}$	(000)	0	0	1	0	1	$\frac{44}{5\overline{5}}$	$\frac{44}{5\overline{5}}$		
2	(000)	0	0	0	0	0	$\frac{6\overline{6}}{6}$	$\frac{6\overline{6}}{6}$		
5	(000)	0	0	1	0	1	$\frac{35}{77}$	$\frac{35}{77}$		
	/ /	225	118 Fm	$\sqrt{3}m$ Classi	ification =	Z _M X _{DC}				
$\overline{\mathbb{Z}_2}$	weak	3 ¹¹¹	$\frac{110^{100}*}{4^{100}*}$	i*	$2^{110}*$	$\frac{2M}{4^{100}}$	$\frac{-22 \text{ SI} - }{Cm_{(0)}^{101}}$	~2,54		
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2}$			
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$			
1	(000)	0	1	0	1	1	11			
	/	225	.119 Fn	$n\bar{3}m'$ Class	ification =	\mathbb{Z}_M Xpc	$=\mathbb{Z}_4$ SI $=$: z' _{AD}		
$\overline{\mathbb{Z}_4}$	weak	3 ¹¹¹	$4^{100}*$	i	$2^{110}*$	$\frac{1100}{4^{100}}$ *	$m_{101}*$	$Cm_{(2)}^{001}$		
0	(000)	0	0	0	0	0	0	$\frac{(2)}{44}$		
0	(000)	0	0	0	0	0	0	00		
3	(000)	0	1	1	1	0	0	11		
2	(000)	0	0	0	0	0	0	$2\overline{2}$		

1	(000)	0	1	1	1	0	0	$3\overline{3}$		_
			25.121 F_{S}	$m\bar{3}m$ Clas	sification =	$=\mathbb{Z}_M^2$ X_{BS}	$S = \mathbb{Z}_8$ SI =	$= z_8$		
\mathbb{Z}_8	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	3111	4^{100}	i	2^{110}	$\bar{4}^{100}$	$Cm_{(4)}^{100}$	$Cm_{(2)}^{0\bar{1}1}$	
0	(000)	0	0	0	0	0	0	88	88	
0	(000)	0	0	0	0	0	0	$\overline{4}4$	6 6	
0	(000)	0	0	0	0	0	0	$\overline{4}4$	$\overline{2}2$	
3	(000)	1	0	0	1	0	1	$1\overline{1}$	11	
6	(000)	0	0	0	0	0	0	$2\overline{2}$	$2\overline{2}$	
1	(000)	1	0	0	1	0	1	$3\overline{3}$	$3\overline{3}$	
4	(000)	0	0	0	0	0	0	$4\overline{4}$	$4\overline{4}$	
7	(000)	1	0	0	1	0	1	$5\overline{5}$	$5\overline{5}$	
2	(000)	0	0	0	0	0	0	$6\overline{6}$	$6\overline{6}$	
5	(000)	1	0	0	1	0	1	$7\overline{7}$	$7\overline{7}$	
		22	26.122 Fn	$n\bar{3}c$ Classi	fication =	\mathbb{Z}_M X_{BS} :	$=\mathbb{Z}_4$ SI $=$	z'_{AP}		
\mathbb{Z}_4	weak	3^{111}	$4^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$g^{101}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$Cm_{(4)}^{001}$		
0	(000)	0	$\frac{\overline{2}\ \overline{2}\ \overline{2}}{0}$	0	$\frac{\overline{2}\ \overline{2}\ \overline{2}}{0}$	$\frac{\overline{2}\ \overline{2}\ \overline{2}}{0}$	0	$\frac{44}{4}$		
0	(000)	0	0	0	0	0	0	00		
3	(000)	0	0	1	0	1	1	$\frac{\overline{11}}{11}$		
2	(000)	0	0	0	0	0	0	$\frac{11}{2\overline{2}}$		
1	(000)	0	0	1	0	1	1	33		—
	(000)			$\sqrt{3}c$ Class		7.2 Ypg -	$=\mathbb{Z}_2$ SI $=$			—
\mathbb{Z}_2	weak	3111	$\frac{4^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{4^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	i*	$\frac{2^{110}}{2^{\frac{1}{2}\frac{1}{2}\frac{1}{2}}} *$	$\frac{4^{100}}{4^{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	$\frac{g_{rac{1}{2}rac{1}{2}rac{1}{2}}^{101}}{g_{rac{1}{2}rac{1}{2}}^{101}}$	\sim 2, S_4		—
0	(000)	0	0	0	0	0	0			
1	(000)		1		1		1			
			6.125 Fm			\mathbb{Z}_M X_{BS}				
\mathbb{Z}_4	weak	3^{111}	$4^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{100}_{rac{1}{2}rac{1}{2}rac{1}{2}}*$	$g^{101}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$Cm_{(2)}^{001}$		
0	(000)	0	0	0	0	0	0	$4\overline{4}$		
0	(000)	0	0	0	0	0	0	00		
3	(000)	0	1	1	1	0	0	$1\overline{1}$		
2	(000)	0	0	0	0	0	0	$2\overline{2}$		
1	(000)	0	1	1	1	0	0	$3\overline{3}$		
		22	6.127 $F_S r$	$n\bar{3}c$ Class	ification =	\mathbb{Z}_M X_{BS}	$= \mathbb{Z}_4$ SI $=$	z'_{4P}		
\mathbb{Z}_4	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	3^{111}	$4^{100}*$	i	$2^{110}*$	$\bar{4}^{100}*$	$m_{101}*$	$Cm_{(4)}^{100}$	
0	(000)	0	0	0	0	0	0	0	$4\overline{4}$	
0	(000)	0	0	0	0	0	0	0	00	_
3	(000)	1	0	1	1	1	0	0	$1\overline{1}$	
2	(000)	0	0	0	0	0	0	0	$2\overline{2}$	
1	(000)	1	0	1	1	1	0	0	$3\overline{3}$	
		22	$27.128 ext{ } Fd$	$\overline{3}m$ Classi	fication =	\mathbb{Z}_M X_{BS} :	$=\mathbb{Z}_2$ SI $=$	z'_{2P}		_
\mathbb{Z}_2	weak	3^{111}	$4^{100}_{\frac{1}{4}0\frac{1}{4}}$	i	$2^{110}_{\frac{1}{4}\frac{1}{4}0}$	$\frac{4^{100}}{4^{101}_{\frac{1}{4}0^{\frac{1}{4}}}}$	$Cm_{(2)}^{011}$	<u>41</u>		—
0	(000)	0	$\frac{1}{4}0\frac{1}{4}$	0	$\frac{1}{4} \frac{1}{4} 0$	$\frac{1}{4}0\frac{1}{4}$	$\frac{2\overline{2}}{2\overline{2}}$			—
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$			—
1	(000)	0	0	1	0	1	$\frac{22}{11}$			—
	1 (" " ")		7.130 Fd'3		fication =		$=\mathbb{Z}_2$ SI $=$	70 G		—
$\overline{\mathbb{Z}_2}$	weak	$\frac{227}{3^{111}}$	$\frac{130 F u s}{4_{\frac{1}{4}0_{\frac{1}{4}}}^{100} *}$	$\frac{i*}{i}$	2110 _*		$\frac{=\mathbb{Z}_2}{Cm_{(0)}^{011}}$	~2,S4		
					$2^{110}_{\frac{1}{4}\frac{1}{4}0}*$	$\frac{\bar{4}^{100}_{\frac{1}{4}0\frac{1}{4}}}{0}$				
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$			
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{1\overline{1}}$			
1	(000)	0	1	0	1	1				_
					sification =		$=\mathbb{Z}_2$ SI $=$	z'_{2P}		
\mathbb{Z}_2	weak	3^{111}	$4^{100}_{\frac{1}{4}0^{\frac{1}{4}}}*$	i	$2^{110}_{\frac{1}{4}\frac{1}{4}0}*$	$\bar{4}^{100}_{\frac{1}{4}0\frac{1}{4}}*$	$g_{rac{1}{4}0rac{1}{4}}^{101}*$			
0	(000)	0	0	0	0	0	0			
1	(000)	0	1	1	1	0	0			

		207	7 199 E	J2 Cl., gg	:Gootion	77 V	77 CT	2/	
	1-		$\frac{7.133 F_{S}}{3^{111}}$	$\frac{asm}{4100}$ Class		$= \mathbb{Z}_M X_{\mathrm{BS}}$	$= \mathbb{Z}_2$ S1 = $\frac{100}{100}$	$=z_{2P}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$		$4^{100}_{\frac{1}{4}0\frac{1}{4}}$	i	$2^{110}_{\frac{1}{4}\frac{1}{4}0}$	$\bar{4}^{100}_{\frac{1}{4}0\frac{1}{4}}$	$Cm_{(2)}^{011}$	
0	(000)	0	0	0	0	0	0	$2\overline{2}$	
0	(000)	0	0	0	0	0	0	$2\overline{2}$	
1	(000)	1	0	0	1	0	1	$1\overline{1}$	
			28.134 F	$d\bar{3}c$ Classi	fication =	\mathbb{Z}_2 $X_{BS} =$	\mathbb{Z}_2 $SI =$	z_{2P}'	
\mathbb{Z}_2	weak	3^{111}	$4^{100}_{rac{1}{4}rac{1}{2}rac{1}{4}}$	i	$2^{110}_{rac{1}{4}rac{1}{4}rac{1}{2}}$	$\bar{4}^{100}_{rac{1}{4}rac{1}{2}rac{1}{4}}$	$g^{101}_{rac{1}{4}rac{1}{2}rac{1}{4}}$		
0	(000)	0	0	0	0	0	0		
1	(000)	0	0	1	0	1	1		
		22	8 136 Fa	$l'\bar{3}'c$ Classi	fication =	. Z ₂ X _{DC} =	\mathbb{Z}_2 SI =	79 G	
\mathbb{Z}_2	weak	3111	$4^{100}_{\frac{1}{4}\frac{1}{2}\frac{1}{4}}*$	$\frac{i*}{i}$	$2^{110}_{\frac{1}{4}\frac{1}{4}\frac{1}{2}}*$	$\frac{4100}{4\frac{1}{4}\frac{1}{2}\frac{1}{4}}$	$\frac{g_{\frac{1}{4}\frac{1}{2}\frac{1}{4}}^{101}}{g_{\frac{1}{4}\frac{1}{2}\frac{1}{4}}^{101}}$	~2,54	
0	(000)	0	$\frac{\frac{1}{4}\frac{1}{2}\frac{1}{4}}{0}$	0	$\frac{\frac{2}{4}\frac{1}{4}\frac{1}{2}}{0}$	$\frac{\frac{1}{4}\frac{1}{2}\frac{1}{4}}{0}$	$\frac{9\frac{1}{4}\frac{1}{2}\frac{1}{4}}{0}$		
$\frac{0}{1}$	(000)	0	1	0	1	1	1		
	(000)					*			
			$28.137 ext{ } F$		ification =	\mathbb{Z}_2 $X_{BS} =$		z_{2P}^{\prime}	
\mathbb{Z}_2	weak	3^{111}	$4^{100}_{rac{1}{4}rac{1}{2}rac{1}{4}}*$	i	$2^{110}_{\frac{1}{4}\frac{1}{4}\frac{1}{2}}*$	$\bar{4}^{100}_{rac{1}{4}rac{1}{2}rac{1}{4}}*$	$g_{\frac{1}{4}\frac{1}{2}\frac{1}{4}}^{101}*$		
0	(000)	0	0	0	0	0	0		
1	(000)	0	1	1	1	0	0		
		22	$28.139 ext{ } F_s$	$sd\bar{3}c$ Class	ification =	\mathbb{Z}_2 \mathbb{X}_{BS} =	$=\mathbb{Z}_2$ SI $=$	$=z'_{2P}$	
\mathbb{Z}_2	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$3_{0\frac{1}{4}\frac{1}{4}}^{111}$	$4^{010}_{\frac{1}{4}\frac{1}{4}0}*$	i	$2^{110}_{\frac{1}{4}\frac{1}{4}0}*$	$\frac{1}{4^{010}_{\frac{1}{4}\frac{1}{4}0}}$ *	$m_{0\bar{1}1}*$	
0	(000)	0	$\frac{0_{\overline{4}}_{\overline{4}}}{0}$	$\frac{440}{0}$	0	$\frac{\overline{4}\overline{4}0}{0}$	$\frac{440}{0}$	0	
1	(000)	1	0	1	1	1	0	0	
	(000)			2 Cl					
	**** 1*	$\frac{22}{3^{111}}$	$\frac{29.140 17}{4^{100}}$	$\frac{nsm}{i}$ Class	$\frac{\text{sincation}}{2^{110}}$	$= \mathbb{Z}_{\underline{M}}^2 X_{\mathrm{BS}}$	$= \mathbb{Z}_8$ Si C_{∞} 011	$= z_8$	
\mathbb{Z}_8	weak			*			$Cm_{(2)}^{011}$	$Cm_{(4)}^{001}$	
0	(000)	0	0	0	0	0	88	88	
0	(000)	0	0	0	0	0	$\frac{\overline{2}2}{\overline{6}c}$	$\frac{\overline{44}}{\overline{44}}$	
0	(000)	0	0	0	0	0	<u>66</u>	<u>44</u>	
3	(000)	0	0	1	0	1	$\frac{1\overline{1}}{2\overline{2}}$	$\frac{1\overline{1}}{2\overline{2}}$	
6	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	$\frac{2\overline{2}}{2\overline{2}}$	
1	(000)	0	0	1	0	1	$\frac{3\overline{3}}{4\overline{4}}$	$\frac{3\overline{3}}{4\overline{4}}$	
$\frac{4}{7}$	(000)	0	0	0	0	0	$\frac{4\overline{4}}{\overline{5}}$	$\frac{4\overline{4}}{\overline{\epsilon}}$	
7	(000)	0	0	1	0	1	$5\overline{5}$	$\frac{5\overline{5}}{6\overline{6}}$	
2	(000)	0	0	0	0	0	6 6	6 <u>6</u>	
5	(000)	0	0	1	0	1	$7\overline{7}$	$7\overline{7}$	
		229	.142 Im'		ification =	\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_2$ SI =	$= z_{2,S_4}$	
\mathbb{Z}_2	weak	3^{111}	$4^{100}*$	i*	$2^{110}*$	$\bar{4}^{100}$	$Cm_{(0)}^{011}$		
0	(000)	0	0	0	0	0	$2\overline{2}$		
0	(000)	0	0	0	0	0	$2\overline{2}$		
1	(000)	0	1	0	1	1	$1\overline{1}$		
			9.143 Im	$\bar{3}m'$ Class	ification =	\mathbb{Z}_M X_{BS}	$=\mathbb{Z}_4$ SI =	$=z'_{4P}$	
\mathbb{Z}_4	weak	3^{111}	$4^{100}*$	i	$2^{110}*$	$\bar{4}^{100}*$	$m_{101}*$	$Cm_{(2)}^{001}$	
0	(000)	0	0	0	0	0	0	$\frac{(2)}{44}$	
0	(000)	0	0	0	0	0	0	00	
3	(000)	0	1	1	1	0	0	$1\overline{1}$	
2	(000)	0	0	0	0	0	0	$2\overline{2}$	
1	(000)	0	1	1	1	0	0	$3\overline{3}$	
		2.	30.145 I	$a\bar{3}d$ Classi	fication =	\mathbb{Z}_2 $X_{BS} =$	\mathbb{Z}_2 SI =	z'_{2D}	
$\overline{\mathbb{Z}_2}$	weak	3 ¹¹¹	$\frac{4^{100}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}}{4^{\frac{1}{4}\frac{1}{4}}}$	i	$2^{110}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}$	$\frac{4^{100}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}}{4^{\frac{1}{4}\frac{1}{4}}}$	$\frac{g_{\frac{1}{4}\frac{1}{4}\bar{\frac{1}{4}}}^{101}}{g_{\frac{1}{4}\frac{1}{4}\bar{\frac{1}{4}}}^{101}}$	··· 2P	
						$\frac{-\frac{1}{4}\frac{1}{4}\frac{1}{4}}{0}$			
0	(000)	0	0	0	0	0	0		
1	(000)	0		1		1	1		
		23	0.147 Ia		fication =	\mathbb{Z}_2 $X_{BS} =$	\mathbb{Z}_2 $SI =$	z_{2,S_4}	
\mathbb{Z}_2	weak	3^{111}	$4^{100}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	i*	$2^{110}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$\bar{4}^{100}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}$	$g^{101}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}$		

0	(000)	0	0	0	0	0	0	
1	(000)	0	1	0	1	1	1	
			230.148 $Ia\bar{3}$	d' Class	sification = 2	\mathbb{Z}_2 $X_{BS} =$	\mathbb{Z}_2 $\mathrm{SI} = z'_{2P}$	
\mathbb{Z}_2	weak	3^{111}	$4^{100}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	i	$2\frac{110}{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$\bar{4}^{100}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$g^{101}_{rac{1}{4}rac{1}{4}rac{1}{4}}*$	
0	(000)	0	0	0	0	0	0	
1	(000)	0	1	1	1	0	0	