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

February 4, 2021

		$2.4 P\bar{1}$	Classification = $\mathbb{Z}^3 \times \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$	$\mathbb{Z}_{2,2,2,4}  \text{SI} = z_{2P,1}, z_{2P,2}, z_{2P,3}, z_{4P}$
$\mathbb{Z}_{2,2,2,4}$	weak	i		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
0000	$(\bar{2}00)$	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	$(\bar{1}01)$	1		
1100	$(\bar{1}10)$	0		
1102	$(\bar{1}10)$	1		
1110	$(\bar{1}11)$	0		
1112	$(\bar{1}11)$	1		
			$2.7 P_S \overline{1}$ Classification = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2  SI = z'_{2P}$
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	i	
0	$(00\bar{2})$	1	0	
1	$(00\bar{1})$	1	1	
		•	3.1 $P2$ Classification = $\mathbb{Z}$	$X_{BS} = \mathbb{Z}_2$ $SI = z_{2C}$
$\mathbb{Z}_2$	weak	$2^{010}$		50 2 20
0	(020)	0		
1	(010)	0		
			3.4 $P_a$ 2 Classification = $\mathbb{Z}_2$	$X_{PS} = \mathbb{Z}_2$ $SI = z_{2C}$
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}00\}*$	$2^{010}$	11-15.5 11.2 2.1 2.20
$\frac{-2}{0}$	$(\bar{1}00)$	1	0	
	()	10.42 P2		$z_{\rm S} = \mathbb{Z}_{2,2,2}  {\rm SI} = z_{2m,0}^+, z_{2m,0}^-, z_{2m,\pi}^+$
$\overline{\mathbb{Z}_{2,2,2}}$	weak	2010	$\frac{m \cdot \text{Classification} - \mathbb{Z}_M \times \mathbb{Z} - \mathbb{X}_1}{i \cdot Cm_{(2)}^{010}}$	$25 - 22,2,2$ $51 - 22m,0,22m,0,22m,\pi$
$\frac{-2,2,2}{000}$	$(0\bar{2}0)$	0	0   2402	
000	(020)	0	0 0202	
000	(000)	0	$\frac{0.002}{0.002}$	
000	(000)	0	$0 \qquad 00\overline{2}2$	
001	(000)	0	$1 \qquad 001\overline{1}$	
010	(010)	0	1 0101	
011	(010)	0	0 0110	
100	$(0\bar{1}0)$	0	$0   1\overline{2}0\overline{1}$	
		1		

	(	_						
101	$(0\bar{1}0)$	0	1	$1\overline{2}1\overline{2}$				
110	(000)	0	1	$1\overline{1}00$				
111	(000)	0	0	$1\overline{1}1\overline{1}$				
	10.	$.46 \ P2'/m'$	Classif	ication = $\mathbb{Z}^2$	$\times \mathbb{Z}_2$ X	$_{\rm BS} = \mathbb{Z}_{2,2,2,4}$	$SI = z_{2P,1}, z_{2P,2}, z_{2P,3}, z_{4P}$	<del></del>
$\mathbb{Z}_{2,2,2,4}$	weak	2010*	i					
0000	(200)	0	0					
0000	$(00\overline{2})$	0	0					
0000	(000)	0	0					
0002	(000)	1	1					
0010	$(00\bar{1})$	0	0					
0012	$(00\bar{1})$	1	1					
1000	(100)	0	0					
1002	(100)	1	1					
1010	$(10\overline{1})$	0	0					
1012	(101)	1	1					
1012	(101)			C1:C+:	77/2	V 77	CI++	
F77	1	10.47	$\frac{P_a 2/m}{2^{010}}$	Classificatio	$on = \mathbb{Z}_{\overline{M}}$	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_{2,2}$	$SI = z_{2m,0}^+, z_{2m,\pi}^+$	
$\mathbb{Z}_{2,2}$	weak	$\{1 \frac{1}{2}00\}*$		i	$Cm_{(2)}^{010}$			
00	$(\bar{2}00)$	1	0	0	$2\overline{2}00$			
00	(200)	0	0	0	$002\overline{2}$			
00	(000)	0	0	0	$00\overline{2}2$			
01	(100)	0	0	1	$001\overline{1}$			
10	$(\bar{1}00)$	1	0	1	$1\overline{1}00$			
11	(000)	0	0	0	$1\overline{1}1\overline{1}$			_
		10	$.48 P_b 2$	m Classifie	cation = Z	$Z_M X_{BS} =$	$\mathbb{Z}_2$ SI $= z_{2m,0}^+$	
$\mathbb{Z}_2$	weak	$\{1 0\frac{1}{2}0\}*$	$2^{010}$	i	$Cm_{(2)}^{010}$		,-	
0	$(0\bar{2}0)$	1	0	0	$2\overline{200}$			
0	(000)	0	0	0	$2\overline{2}00$			
1	$(0\bar{1}0)$	1	0	1	$1\overline{1}00$			
	,	10.	$49 P_C 2$	/m Classifi	cation = 2	Z <sub>M</sub> X <sub>DC</sub> =	$\mathbb{Z}_2  SI = z_{2m,0}^+$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{10^{-1} \cdot 2^{-1}}{2^{010}}$	$\frac{i}{i}$	$Cm_{(2)}^{010}$	2M 11D5	$\sim 2m,0$	
0	(220)	1	0	0	$\frac{2\overline{200}}{2\overline{200}}$			
0	(000)	0	0	0	$\frac{2200}{2\overline{2}00}$			
1	(110)	1	0	1	$\frac{2200}{1\overline{1}00}$			
1	(110)							
		11.5	$0 P2_1/r$	m Classifica	$ation = \mathbb{Z}$	$M \times \mathbb{Z} - X_{BS}$	$=\mathbb{Z}_2$ $SI=z'_{2P}$	
$\mathbb{Z}_2$	weak	$2^{010}_{0\frac{1}{2}0}$	i	$Cm_{(2)}^{010}$				
0	(000)	0	0	$2\overline{2}00$				
0	(020)	1	0	2011				
0	(000)	0	0	$2\overline{2}00$				
1	(000)	0	1	$1\overline{1}00$				
		$11.54 P2'_1$	/m′ Cla	assification =	$\mathbb{Z}^2 \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2P,1}, z_{2P,3}, z_{4P}$	
$\overline{\mathbb{Z}_{2,2,4}}$	weak	$2^{010}_{0\frac{1}{2}0}*$	$\frac{i}{i}$		-2		9.1 21,17.21,07.71	
000	$(\bar{2}00)$	0 = 0.00	0					
000	$(200)$ $(00\bar{2})$	0	0					
000	(002)	0	0					
000	(000)	1	1					
010	$(000)$ $(00\bar{1})$	0	0					
010	$(001)$ $(00\bar{1})$	1	1					
100	$(\bar{1}001)$	0	0					
100	$(\bar{1}00)$	1	1					
1102	$(\overline{1}0\overline{1})$	0	0					
$\frac{110}{112}$	$(\overline{101})$ $(\overline{101})$	1	1					
112	(101)			/ 01 .	C	F77 3.7	77 OT /	
		11	.55 $P_a 2$	1/m Classi	ncation =	$\mathbb{Z}_M$ $X_{\mathrm{BS}} =$	$=\mathbb{Z}_2  \mathrm{SI}=z_{2P}'$	

			0.4.0		0.4.0		
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}00\}*$	$2^{010}_{0\frac{1}{2}0}$	i	$Cm_{(2)}^{010}$		
0	$(\bar{2}00)$	1	0	0	$\overline{2\overline{200}}$		
0	(000)	0	0	0	$2\overline{2}00$		
1	$(\overline{1}00)$	1	0	1	$1\overline{1}00$		
	,	11	56 P <sub>1</sub> 2 <sub>1</sub>	/m Classi	$fication = \mathbb{Z}_M$	$X_{BS} = \mathbb{Z}_2  SI = z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 0\frac{1}{2}0\}*$	$\frac{100^{-1} b^{21}}{2^{010}*}$	$\frac{i_{0\frac{1}{2}0}*}{i_{0\frac{1}{2}0}}$	$Cm_{(2)}^{010}$	$R_{\rm BS} = \omega_2  \Im 1 = \omega_2 p$	
$\frac{2}{0}$	$(0\bar{2}0)$	1	0	$\frac{0\frac{1}{2}0^{44}}{0}$	$\frac{2\overline{200}}{2\overline{200}}$		
0	(000)	0	0	0	$\frac{2200}{2\overline{2}00}$		
1	$(0\bar{1}0)$	1	1	0	$\frac{2200}{1\overline{1}00}$		
	(010)					V 77 OT /	
	1	11.		•	ification = $\mathbb{Z}_M$	$X_{\mathrm{BS}} = \mathbb{Z}_2  \mathrm{SI} = z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{010}_{\frac{1}{2}00}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$Cm_{(2)}^{010}$		
0	(220)	1	0	0	$2\overline{2}00$		
0	(000)	0	0	0	$2\overline{2}00$		
1	(110)	1	1	0	$1\overline{1}00$		
		12.58	C2/m C	Classification	$\mathbf{n} = \mathbb{Z}_M \times \mathbb{Z}$	$X_{BS} = \mathbb{Z}_{2,2}  SI = z_{2P,2}, z'_{2P}$	
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{010}$	i	$Cm_{(2)}^{010}$		,	
00	(220)	0	0	22			
00	(000)	0	0	$2\overline{2}$			
00	(000)	0	0	$2\overline{2}$			
01	(000)	0	1	$1\overline{1}$			
10	(110)	0	0	11			
11	(110)	0	1	20			
	,	12.62  C2'	m' Clas	sification =	$\mathbb{Z}^2 \times \mathbb{Z}_2 = \mathbb{X}_1$	$_{\text{BS}} = \mathbb{Z}_{2,2,4}  \text{SI} = z_{2P,1}, z_{2P,3}, z_{4P}$	
$\mathbb{Z}_{2,2,4}$	weak	2010*	$\frac{i}{i}$		- 22 / 22 / 11	BS = 22,2,4 S1 = 22P,1, 22P,3, 24P	
$\frac{222,2,4}{000}$	$(2\overline{2}0)$	0	0				
000	(002)	0	0				
000	(000)	0	0				
002	(000)	1	1				
010	(001)	0	0				
012	(001)	1	1				
100	$(1\bar{1}0)$	0	0				
102	$(1\bar{1}0)$	1	1				
110	$(1\bar{1}1)$	0	0				
112	$(1\overline{1}1)$	1	1				
	/ /		2 63 C 2	/m Classif	$fication = \mathbb{Z}_{\mathcal{M}}$	$X_{BS} = \mathbb{Z}_2  SI = z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{2.63  C_c 2}{2^{010}}$	i Classii	$Cm_{(2)}^{010}$	$R_{\rm BS} = \mathbb{Z}_2$ of $= \mathbb{Z}_2 p$	
$\frac{22}{0}$	(002)	1	0	0	$\frac{2\overline{2}}{2\overline{2}}$		
0	(002)	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$		
$\frac{0}{1}$	(000)	1	0	1	$\frac{22}{11}$		
	(001)					V 7/ CI /	
	1		$\frac{2.64 C_a 2}{2^{010}}$		fication = $\mathbb{Z}_M$	$X_{BS} = \mathbb{Z}_2  SI = z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$		$\frac{i}{2}$	$Cm_{(2)}^{010}$		
0	$(\bar{2}\bar{2}0)$	1	0	0	$\frac{2\overline{2}}{2\overline{2}}$		
0	(000)	0	0	0	$2\overline{2}$		
1	$(\bar{1}\bar{1}0)$	1	0	1	$1\overline{1}$		
		13.65	P2/c C	lassification	$\mathbf{n}=\mathbb{Z} imes\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_{2,2}  SI = z_{2P,2}, z'_{2P}$	
$\mathbb{Z}_{2,2}$	weak	$2^{010}_{00\frac{1}{2}}$	i	· · · · · ·			
00	(020)	0	0				
00	(000)	0	0				
01	(000)	0	1				
10	(010)	0	0				
11	(010)	0	1				
		$13.69 \ P2'$	/c' Class	sification =	$\mathbb{Z}^2 \times \mathbb{Z}_2$ XD	$S_{\rm SS} = \mathbb{Z}_{2,2,4}  SI = z_{2P,1}, z_{2P,2}, z_{4P}$	
			, - 5 2000			50 4,4,± · ·-41,11~4F,41~4F	

$\overline{\mathbb{Z}_{2,2,4}}$	weak	$2^{010}_{00\frac{1}{2}}*$	i			
000	(200)	00 ½	0			
000	(004)	0	0			
000	$(00\overline{2})$	1	0			
002	(002)	0	1			
100	(100)	0	0			
102	(102)	0	1			
	( - )		$13.70 P_a$	$2/c$ Classification = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2  SI = z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}00\}*$	$\frac{2^{010}_{00\frac{1}{2}}}{2^{010}_{00\frac{1}{2}}}$	$\frac{i}{i}$	$A_{\rm BS} = \mathbb{Z}_2$ of $= \mathbb{Z}_{2P}$	
0	$(\bar{2}00)$ $(\bar{1}00)$	1 1	0			
1	(100)					
	1		$13.71 P_b 2$	$\frac{2/c}{\cdot}$ Classification = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2  SI = z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 0\frac{1}{2}0\}*$	$2^{010}_{00\frac{1}{2}}$	<i>l</i>		
0	$(0\bar{2}0)$	1	0	0		
1	$(0\bar{1}0)$	1	0	1		
			$13.72 P_c 2$	$2/c$ 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	$(00\bar{2})$	1	0	0		
1	$(00\overline{1})$	1	0	0		
		1	$13.73 P_A$	$2/c$ Classification = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$ $SI = z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{010}_{00\frac{1}{2}}$	$i_{0\frac{1}{2}\frac{1}{2}}*$	21	
0	$(\bar{2}\bar{2}0)$	1	0	0		
1	$(\overline{1}\overline{1}0)$	1	0	0		
	, ,	1	$3.74 P_C$	$2/c$ Classification = $\mathbb{Z}_2$	$X_{RS} = \mathbb{Z}_2$ $SI = z'_{2R}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{010}_{00\frac{1}{2}}$	$\frac{i}{i}$	B5 2 - 2P	
0	(220)	1	00 2	0		
1	(110)	1	0	1		
		14.	$75 P2_1/6$	$c$ Classification = $\mathbb{Z} \times \mathbb{Z}$	$X_{\mathrm{BS}} = \mathbb{Z}_2  \mathrm{SI} = z_{2P}'$	
$\overline{\mathbb{Z}_2}$	weak	$2_{0\frac{1}{2}\frac{1}{2}}^{010}$	$\frac{i}{i}$		2 1103 22 21 729	
0	(000)	0 = 0	0			
0	$(0\bar{2}0)$	1	0			
1	(000)	0	1			
====	(000)			The sification $-\mathbb{Z}^2 \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_{2,4}  SI = z_{2P,1}, z_{4P}$	
$\overline{\mathbb{Z}_{2,4}}$	weak	$\begin{array}{c} 14.73 \\ 2^{010}_{0\frac{1}{2}\frac{1}{2}} * \end{array}$	$\frac{i}{i}$	$\square$ assincation $-\square \wedge \square_2$	$R_{\rm BS} = \omega_{2,4}  \text{SI} = z_{2P,1}, z_{4P}$	
$\frac{222,4}{00}$	(200)	$\frac{2_{0\frac{1}{2}\frac{1}{2}}}{0}$	0			
00	(000)	0	0			
00	(000)	1	0			
02	(002)	1	1			
10	(100)	0	0			
12	(100)	1	1			
	1 ()			$c_1/c$ Classification = $\mathbb{Z}_2$	$X_{DG} = \mathbb{Z}_0$ $SI - 2'$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}00\}*$	$\frac{2_{0\frac{1}{2}\frac{1}{2}}^{010}}{2_{0\frac{1}{2}\frac{1}{2}}^{010}}$	$\frac{i}{i}$	$\mu_{\text{BS}} = \mu_2$ of $-\kappa_2 p$	
$\frac{22}{0}$	(200)	1	$\frac{2_{0\frac{1}{2}\frac{1}{2}}}{0}$	0		
$\frac{0}{1}$	(100)	1	0	1		
	(100)			$\frac{1}{1/c}$ Classification = $\mathbb{Z}_2$	$\mathbf{Y}_{DG} = \mathbb{Z}_{\bullet}  \mathbf{SI} = \mathbf{z}'$	
$\overline{\mathbb{Z}_2}$	weak	$\frac{1}{ \{1 0\frac{1}{2}0\}* }$	$\frac{4.61 P_b z}{2_{00\frac{1}{2}}^{010} *}$		$n_{\rm BS} - \omega_2$ or $- z_{2P}$	
$\frac{\mathbb{Z}_2}{0}$	$(0\bar{2}0)$		$\frac{{}^{2}00\frac{1}{2}^{*}}{0}$	$\frac{i_{0\frac{1}{2}0}*}{0}$		
1	$(020)$ $(0\overline{1}0)$	1 1	1	0		
	(010)				V 77 CI ./	
77	weak		$\frac{4.82 P_c 2}{2010}$	$c_1/c$ Classification = $\mathbb{Z}_2$	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_2  \mathfrak{S} \mathfrak{1} = \mathbb{Z}_{2P}$	
$\mathbb{Z}_2$		$\{1 00\frac{1}{2}\}*$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}$	i <sub>00½*</sub>		
0	$(00\bar{2})$	1	0	0		

1	$(00\bar{1})$	1	0	0
	()			$color V_{C}$ Classification = $\mathbb{Z}_2$ $color X_{BS} = \mathbb{Z}_2$ $color SI = z'_{2P}$
$\mathbb{Z}_2$	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$\frac{2^{010}*}{}$	i
0	$(\bar{2}\bar{2}0)$	$\frac{C_1 \cdot 22}{1}$	0	0
1	$(\overline{1}\overline{1}0)$	1	1	1
	,	14	$1.84 P_{C}2_{1}$	$c$ Classification = $\mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$ $SI = z'_{2P}$
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{2^{010}_{\frac{1}{2}0^{\frac{1}{2}}}}{2^{010}_{\frac{1}{2}0^{\frac{1}{2}}}}$	$i_{rac{1}{2}rac{1}{2}0}*$
0	(220)	1	0	0
1	(110)	1	1	0
	/	15.85	C2/c Cla	assification = $\mathbb{Z} \times \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_{2,2}$ $SI = z_{2P,2}, z'_{2P}$
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{010}_{00\frac{1}{2}}$	$\frac{i}{i}$	27,2,2,2p
00	$(\bar{2}\bar{2}0)$	00 2	0	
00	(000)	0	0	
01	(000)	0	1	
10	$(\overline{1}\overline{1}0)$	0	0	
11	$(\bar{1}\bar{1}0)$	0	1	
		15.89	C2'/c' Cla	assification = $\mathbb{Z}^2 \times \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_{2,4}$ $SI = z_{2P,1}, z_{4P}$
$\overline{\mathbb{Z}_{2,4}}$	weak	$2^{010}_{00\frac{1}{2}}*$	i	, ,
00	$(2\bar{2}4)$	0	0	
00	$(00\bar{4})$	0	0	
00	(002)	1	0	
02	$(00\bar{2})$	0	1	
10	$(1\bar{1}2)$	1	0	
12	$(1\bar{1}0)$	1	1	
				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	(002)	1	0	0
1	(001)	1	0	0
			$5.91 C_a 2/$	c Classification = $\mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$ $SI = z'_{2P}$
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{010}_{00\frac{1}{2}}$	i
0	$(\bar{2}\bar{2}0)$	1	0	0
1	$(\bar{1}\bar{1}0)$	1	0	1
				Classification = $\mathbb{Z} \times \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$ $SI = z_{2C}$
$\mathbb{Z}_2$	weak	$2^{001}$	$2^{010}*$	$2^{100}*$
0	(002)	0	0	0
0	(000)	0	1	1
1	(001)	0	0	0
	1	17.1	1	Classification = $\mathbb{Z} \times \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$ $SI = z_{2C}$
$\mathbb{Z}_2$	weak	$2^{001}_{00\frac{1}{2}}*$	$2^{010}_{00\frac{1}{2}}*$	2
0	$(\bar{2}00)$	0	0	0
0	(000)	1	1	0
1	$(\bar{1}00)$	0	0	0
	1	$\frac{18.1}{2^{001}}$		Classification = $\mathbb{Z} \times \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$ $SI = z_{2C}$
$\mathbb{Z}_2$	weak		$2^{010}_{\frac{1}{2}\frac{1}{2}0}*$	$2^{10}_{\frac{1}{2}\frac{1}{2}0}*$
0	(002)	0	0	0
	(000)	0	1	1
1	(001)	0	0	
	1	$\frac{21.4}{2^{001}}$	$\frac{10 C2'2'2}{2^{010}*}$	Classification = $\mathbb{Z} \times \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$ $SI = z_{2C}$ $z_{100}$ *
$\frac{\mathbb{Z}_2}{0}$	weak	_		0
0	(002)	0	0	1
	(000)	U	1	1

1	(001)	0	0	0					
		2	5.60 Pn	n'm'2 Clas	sification = $\mathbb{Z}$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2C}$		
$\mathbb{Z}_2$	weak	$2^{001}$	$m_{010}*$	$m_{100}*$					
0	$(00\bar{2})$	0	0	0					
1	$(00\bar{1})$	0	0	0					
			27.81 Pe	c'c'2 Class	ification = $\mathbb{Z}$	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z'_{2C}$		
$\mathbb{Z}_2$	weak	$2^{001}$	$g_{00\frac{1}{2}}^{010}*$	$g_{00\frac{1}{2}}^{100}*$					
0	(004)	0	2	2					
1	(002)	0	1	1					
		2			sification = $\mathbb{Z}$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2C}$		
$\mathbb{Z}_2$	weak	$2^{001}$	$g_{\frac{1}{2}00}^{010}*$	$g_{\frac{1}{2}00}^{100}*$					
0	$(00\bar{2})$	0	0	0					
1	$(00\bar{1})$	0	0	0					
			$.117 P_{b}$	nc2 Classi	fication = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2C,\pi}$		
$\mathbb{Z}_2$	weak	$\{1 0\frac{1}{2}0\}*$	$2^{001}_{0\frac{1}{2}0}*$	$g_{0\frac{1}{2}\frac{1}{2}}^{010}$	$g_{00\frac{1}{2}}^{100}*$				
0	(010)	1	1	1	0				
					sification = $\mathbb{Z}$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2C}$		
$\mathbb{Z}_2$	weak	$2^{001}$	$g^{010}_{\frac{1}{2}\frac{1}{2}0}*$	$g_{\frac{1}{2}\frac{1}{2}0}^{100}*$				<u> </u>	
0	$(00\bar{2})$	0	0	0					
1	$(00\bar{1})$	0	0	0					
		34.	$163 P_C$	nn2 Class	ification = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2C,\pi}$		
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}$	$g_{00\frac{1}{2}}^{010}*$	$g_{00\frac{1}{2}}^{100}*$				
0	$(\bar{1}\bar{1}0)$	1	0	0	0				
-			5.168 Cr	m'm'2 Cla	ssification = $\mathbb{Z}$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2C}$		
$\mathbb{Z}_2$	weak	$2^{001}$	$m_{010}*$	$m_{100}*$					
0	$(00\bar{2})$	0	0	0					
1	$(00\bar{1})$	0	0	0					
					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	2	2					
1	(002)	0	1	1					
- F71	1		$\frac{185  C_a c_b}{2001}$	c2 Classifi		$_{\mathrm{BS}}=\mathbb{Z}_{2}$ S	$SI = z_{2,37.185}$		
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$		$g_{00\frac{1}{2}}^{010}$	$g_{00\frac{1}{2}}^{100}$				
0	$ $ $(\bar{1}\bar{1}0)$	1	0	1	1				
		39			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	(022)	0	2	2					
1	(011)	0	1	1	<del>-</del>		· ·		
	1	$\frac{41.1}{2^{001}}$	$\frac{215}{a^{010}} \frac{Ab'a}{a}$	$\frac{a'2}{100}$ Classif	ication = $\mathbb{Z}$ X	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ S	$SI = z_{2,41.215}$		
$\mathbb{Z}_2$	weak		$g_{\frac{1}{2}0\frac{1}{2}}^{010}*$	$g_{\frac{1}{2}0\frac{1}{2}}^{100}*$					
0	(022)	0	2	2					
1	(011)	0	1	1	· · · · · · · · · · · · · · · · · · ·	r r	CIT		
	**************************************	$\frac{42.2}{2^{001}}$			fication = $\mathbb{Z}$ $\Sigma$	$L_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z_{2,42.222}$		
$\frac{\mathbb{Z}_2}{0}$	$\frac{\text{weak}}{(\bar{2}\bar{2}0)}$	0	$\frac{m_{010}*}{0}$	$\frac{m_{100}*}{0}$					
$\frac{0}{1}$	(220) $(110)$	0	0	0					
	(++0)				$sification = \mathbb{Z}$	$X_{DG} = \mathbb{Z}_{G}$	$SI = \gamma'$		
$\overline{\mathbb{Z}_2}$	weak	$2^{001}$	$\frac{g_{00\frac{1}{2}}^{010}*}{g_{00\frac{1}{2}}^{010}}$	$\frac{b \ a \ z}{g_{00\frac{1}{2}}^{100}} *$	лисанон — <u>Ш</u>	B2 — π5	51 - 2C		
$\frac{2}{0}$	$(22\overline{2})$	0	$\frac{g_{00\frac{1}{2}}}{2}$	$\frac{g_{00\frac{1}{2}}}{2}$					
$\frac{0}{1}$	$(222)$ $(11\overline{1})$	0	1	1					
	(***/	<u> </u>	1	<u> </u>					

	4	7.249 Pn	nmm Classi	fication =	$\mathbb{Z}_{0}^{6}$ $X_{pq}$	$=\mathbb{Z}_{2,2,2,4}$	$SI = z'_{2DA}$	$z'_{2P,2}, z'_{2P,3}, z'_{4P}$	
$\mathbb{Z}_{2,2,2,4}$	weak	2001	2010	$\frac{i}{i}$	$\frac{\omega_{M}}{2^{100}}$	$\frac{-22,2,2,4}{Cm_{(2)}^{100}}$	$\frac{Cm_{(2)}^{010}}{Cm_{(2)}^{010}}$	$\frac{z_2p_{,2}, z_2p_{,3}, z_4p}{Cm_{(2)}^{001}}$	
0000	(000)	0	0	0	0	$\frac{\overline{2}22\overline{2}}{\overline{2}}$	$\frac{776(2)}{4400}$	$\frac{-\frac{7}{4400}}{4400}$	
0000	(000)	0	0	0	0	$\frac{2222}{4400}$	$\frac{\overline{2}22\overline{2}}{\overline{2}}$	$\frac{4400}{4400}$	
0000	(000)	0	0	0	0	$\frac{4400}{4400}$	$\frac{2222}{4400}$	$\frac{\overline{2222}}{\overline{2}}$	
0000	(000)	0	0	0	0	$\frac{4400}{4400}$	$\frac{4400}{4400}$	$\frac{2222}{4\overline{4}00}$	
0000	(000)	0	0	0	0	$\frac{1400}{2200}$	$\frac{\overline{2}2\overline{2}2}{\overline{2}}$	$\frac{1400}{2200}$	
0000	(000)	0	0	0	0	$\frac{22\overline{0}0}{\overline{2}2\overline{2}2}$	$\frac{2222}{2200}$	$\frac{2200}{2200}$	
0000	(000)	0	0	0	0	$\frac{2222}{2200}$	$\frac{2200}{2200}$	$\frac{22\overline{0}0}{\overline{2}2\overline{2}2}$	
0003	(000)	0	0	1	0	$\frac{1\overline{1}00}{100}$	$\frac{2200}{1\overline{1}00}$	$\frac{2222}{1\overline{1}00}$	
0003	(000)	0	0	0	0	$\frac{1100}{2\overline{2}00}$	$\frac{1100}{2\overline{2}00}$	$\frac{2\overline{2}00}{2\overline{2}00}$	
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	$\frac{\overline{2}200}{2}$	$\frac{\overline{2}200}{2}$	<u>1111</u>	
0013	(000)	0	0	1	0	$\frac{2200}{1100}$	$\frac{2200}{1100}$	$\frac{001\overline{1}}{1}$	
0013	(000)	0	0	0	0	0000	0000	1111	
0012	(000)	0	0	1	0	$\overline{1100}$	$\frac{\overline{1100}}{1100}$	$\frac{2\overline{2}1\overline{1}}{2\overline{2}}$	
0100	(000)	0	0	0	0	$\frac{1100}{2200}$	1111	$\frac{2211}{2200}$	
0103	(000)	0	0	1	0	$\frac{1100}{1100}$	$\frac{001\overline{1}}{1}$	$\frac{2200}{1100}$	
0103	(000)	0	0	0	0	0000	$\frac{0011}{1\overline{1}1\overline{1}}$	0000	
0101	(000)	0	0	1	0	$\frac{1\overline{1}00}{1}$	$\frac{2\overline{2}1\overline{1}}{2}$	$\frac{1\overline{1}00}{100}$	
0110	(000)	0	0	0	0	$\frac{1100}{4400}$	$\frac{2211}{3311}$	3311	
0113	(000)	0	0	1	0	3300	$\frac{\overline{2}21\overline{1}}{\overline{1}}$	$\frac{\overline{2211}}{\overline{1}}$	
0112	(000)	0	0	0	0	$\frac{\overline{2}200}{2}$	1111	<u>1111</u>	
0111	(000)	0	0	1	0	$\frac{2200}{1100}$	$\frac{1111}{001\overline{1}}$	$\frac{001\overline{1}}{1}$	
1000	(000)	0	0	0	0	$\frac{1100}{1111}$	$\frac{0011}{2200}$	$\frac{\overline{2200}}{2}$	
1003	(000)	0	0	1	0	$\frac{1111}{001\overline{1}}$	$\frac{2200}{1100}$	$\frac{2200}{1100}$	
1003	(000)	0	0	0	0	$\frac{0011}{1\overline{1}1\overline{1}}$	0000	0000	
1002	(000)	0	0	1	0	$\frac{2\overline{2}1\overline{1}}{2}$	$\overline{1100}$	$\frac{1\overline{1}00}{100}$	
1010	(000)	0	0	0	0	$\frac{2211}{331\overline{1}}$	$\frac{1100}{4400}$	$\frac{\overline{3311}}{\overline{1}}$	
1013	(000)	0	0	1	0	$\frac{\overline{2211}}{2}$	3300	$\frac{\overline{2211}}{\overline{1}}$	
1012	(000)	0	0	0	0	1111	$\frac{\overline{2}200}{2}$	<u></u>	
1011	(000)	0	0	1	0	$001\overline{1}$	$\frac{2200}{1100}$	$\frac{001\overline{1}}{1}$	
1100	(000)	0	0	0	0	$\frac{\overline{3311}}{\overline{1}}$	3311	$\frac{3312}{4400}$	
1103	(000)	0	0	1	0	$\frac{\overline{2}21\overline{1}}{\overline{1}}$	$\frac{\overline{2211}}{2}$	$\frac{\overline{3}300}{}$	
1102	(000)	0	0	0	0	1111	1111	$\overline{2200}$	
1101	(000)	0	0	1	0	$001\overline{1}$	$001\overline{1}$	1100	
1110	(000)	0	0	0	0	$\frac{\overline{5511}}{\overline{5}}$	$\frac{\overline{5511}}{\overline{5}}$	5511	
1113	(000)	0	0	1	0	$\frac{4411}{4411}$	$\frac{3411}{4411}$	4411	
1112	(000)	0	0	0	0	3311	3311	3311	
1111	(000)	0	0	1	0	$\overline{2}21\overline{1}$	$\overline{2}21\overline{1}$	$\overline{2}21\overline{1}$	
		7.252 Pm	n'm'm Class		- 7/2 × 7/	$X_{BS} = \mathbb{Z}_{2,2}$			
7	weak	$\frac{2001}{2001}$	$\frac{1000}{2010}$ *	$\frac{i}{i}$	$\frac{2^{100}}{}$	$R_{\rm BS} = \mathbb{Z}_{2,2}$	$z_{2,2}$ $z_{1} - z_{2}$	$z_{m,0}^-, z_{2m,0}^-, z_{2m,\pi}^+$	
$\mathbb{Z}_{2,2,2}$		_	<u>-</u> ·			$Cm_{(2)}^{001}$			
000	$\frac{(00\bar{2})}{(002)}$	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	$\frac{001\overline{1}}{0101}$			
010	(001)	0	1	1	1				
011	$\frac{(001)}{(001)}$	0	0	0	0	0110			
100	$\frac{(00\bar{1})}{(00\bar{1})}$	0	0	0	0	$1\overline{2}0\overline{1}$			
101	$\frac{(00\bar{1})}{(000)}$	0	1	1	1	$1\overline{2}1\overline{2}$			
110 111	(000)	0	0	0	0	$\frac{1\overline{1}00}{1\overline{1}1\overline{1}}$			
111	(000)								
		47.254	$P_ammm$ C	lassificatio	$\mathbf{n} = \mathbb{Z}_M^{\mathfrak{I}}$	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_{2,2,}$	$_{4}$ SI = $z'_{2P}$	$z_{2P,3}, z_{2P,3}', z_{4P}'$	

	1	(1) 100)	2001	2010	•	2 <sup>100</sup>	C 100	Q 010	C001
$\mathbb{Z}_{2,2,4}$	weak	$\{1 \frac{1}{2}00\}*$			i		$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{001}$
000	$(\bar{4}00)$	0	0	0	0	0	4400	$\overline{2}22\overline{2}$	<u>4400</u>
000	$(\bar{4}00)$	0	0	0	0	0	4400	4400	$\overline{2}22\overline{2}$
000	(400)	1	0	0	0	0	$\frac{4\overline{4}00}{\overline{2}200}$	$\frac{4\overline{4}00}{\overline{2}2\overline{2}2}$	4400
000	$(\bar{2}00)$	0	0	0	0	0	$\overline{2}200$	$\overline{2}2\overline{2}2$	$\overline{2}200$
000	$(\bar{2}00)$	0	0	0	0	0	0000	$\overline{2}200$	$\overline{2}200$
000	$(\bar{2}00)$	0	0	0	0	0	$\overline{2}200$	$\overline{2}200$	$\overline{2}2\overline{2}2$
003	(100)	1	0	0	1	0	$1\overline{1}00$	1100	1100
002	(200)	1	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	$2\overline{2}00$
001	(300)	1	0	0	1	0	3300	3300	3300
010	$(\bar{2}00)$	0	0	0	0	0	$\overline{2}200$	2200	<u>1</u> 11 <u>1</u>
013	$(\bar{1}00)$	0	0	0	1	0	$\overline{1}100$	1100	0011
012	(000)	0	0	0	0	0	0000	0000	1111
011	(100)	1	0	0	1	0	1100	1100	$2\overline{2}1\overline{1}$
100	$(\bar{2}00)$	0	0	0	0	0	$\overline{2}200$	1111	$\overline{2}200$
103	$(\bar{1}00)$	0	0	0	1	0	$\overline{1}100$	$001\overline{1}$	<u>1</u> 100
102	(000)	0	0	0	0	0	0000	1111	0000
101	(100)	1	0	0	1	0	<u>1</u> 100	$2\overline{2}1\overline{1}$	1100
110	$(\bar{4}00)$	0	0	0	0	0	$\overline{4}400$	3311	<u>3</u> 31 <u>1</u>
113	$(\bar{3}00)$	0	0	0	1	0	$\overline{3}300$	$\overline{2}21\overline{1}$	$\overline{2}21\overline{1}$
112	$(\bar{2}00)$	0	0	0	0	0	$\overline{2}200$	<u>1111</u>	<u>1111</u>
111	$(\bar{1}00)$	0	0	0	1	0	$\overline{1}100$	$001\overline{1}$	$001\overline{1}$
		47.255	$P_Cmmn$	a Classifica	ation = $\mathbb{Z}_M^4$	$X_{BS} =$	$\mathbb{Z}_{2,4}$ SI = $z_2'$	$z_{P,3}', z_{4P}'$	
$\mathbb{Z}_{2,4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}$	$2^{010}$	i	$2^{100}$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{001}$	$Cm_{(2)}^{100}$
00	$(\bar{4}\bar{4}0)$	0	0	0	0	0	4400	$\overline{2222}$	4400
00	(440)	1	0	0	0	0	$4\overline{4}00$	$4\overline{4}00$	$4\overline{4}00$
00	$(\bar{2}\bar{2}0)$	0	0	0	0	0	0000	2200	2200
00	$(\bar{2}\bar{2}0)$	0	0	0	0	0	$\frac{1}{2}$ 200	$\overline{2}2\overline{2}2$	2200
00	$(\bar{2}\bar{2}0)$	0	0	0	0	0	$\overline{2}200$	2200	0000
03	(110)	1	0	0	1	0	$1\overline{1}00$	$1\overline{1}00$	1100
02	(220)	1	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	$2\overline{2}00$
01	(330)	1	0	0	1	0	3300	3300	3300
10	$(\overline{2}\overline{2}0)$	0	0	0	0	0	$\overline{2}200$	<u>1</u> 111 <u>1</u>	$\overline{2}200$
13	$(\overline{1}\overline{1}0)$	0	0	0	1	0	<u>1</u> 100	$001\overline{1}$	<u>1</u> 100
12	(000)	0	0	0	0	0	0000	1111	0000
11	(110)	1	0	0	1	0	$1\overline{1}00$	$2\overline{2}1\overline{1}$	$1\overline{1}00$
	/ /	47.5	256 Prm	mm Class	sification =	$\mathbb{Z}^3$ $\mathbf{X}_{\mathbf{D}_{\mathbf{C}}}$	$S = \mathbb{Z}_4$ $SI = S$		
$\mathbb{Z}_4$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{200 - 17m}{2001}$	$\frac{7010}{2010}$	$\frac{i}{i}$	$\frac{22_M}{2^{100}}$	$\frac{S - 224  S1 - 7}{Cm_{(2)}^{001}}$	$\frac{C_{4P}}{Cm_{(2)}^{010}}$	$Cm_{(2)}^{100}$
$\frac{\omega_4}{0}$	(444)	1	0	0	0	0	$\frac{6m_{(2)}}{4\overline{4}00}$	$\frac{6m_{(2)}}{4\overline{4}00}$	$\frac{6m_{(2)}}{4\overline{4}00}$
$\frac{0}{0}$	$\frac{(444)}{(\bar{2}\bar{2}\bar{2})}$	0	0	0	0	0	0000	$\frac{4400}{2200}$	$\frac{4400}{2200}$
$\frac{0}{0}$	$(2\overline{22})$ $(\overline{222})$	0	0	0	0	0	$\frac{0000}{2200}$	0000	$\frac{2200}{2200}$
$\frac{0}{0}$	$(2\overline{2}\overline{2})$	0	0	0	0	0	$\frac{2200}{2200}$	$\frac{0000}{2200}$	0000
$\frac{0}{3}$	, ,		0	0	1	0	$\frac{2200}{1\overline{1}00}$	$\frac{2200}{1\overline{1}00}$	$\frac{0000}{1\overline{1}00}$
$\frac{3}{2}$	(111) $(222)$	1 1	0	0	0	0	$\frac{1100}{2\overline{2}00}$	$\frac{1100}{2\overline{2}00}$	$\frac{1100}{2\overline{2}00}$
$\frac{2}{1}$	(333)	1	0	0	1	0	$\frac{2200}{3\overline{3}00}$	$\frac{2200}{3\overline{3}00}$	$\frac{2200}{3\overline{3}00}$
	(555)								9900
	•		$\frac{8.257}{2010} Pn$		fication = Z	$L_2$ $X_{BS} =$	$=\mathbb{Z}_2$ $\operatorname{SI}=z_2'$	P	
$\mathbb{Z}_2$	weak	$2^{001}_{rac{1}{2}rac{1}{2}0}$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}$	i	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$				
0	(000)	0	0	0	0				
1	(000)	0	0	1	0				
		48.20	60 Pn'n'	n Classific	$cation = \mathbb{Z}$	$\times \mathbb{Z}_2$ $X_{E}$	$_{\mathrm{SS}}=\mathbb{Z}_{2} \mathrm{SI}=% \left( \mathbb{Z}_{2}\right) \left$	$z'_{2P}$	
$\mathbb{Z}_2$	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)	$\frac{\overline{2}}{2}$	$\frac{\frac{1}{2}0^{\frac{1}{2}}}{0}$	0	$0^{\frac{0}{2}\frac{7}{2}}$				
0	(002)	0	1	0	1				
	(002)			<u> </u>	_				

1	(000)	0	1	1	1				
	(000)			nnn Classi		77 V -	_ 77 CT _	_ ~/	
$\overline{\mathbb{Z}_2}$	weak	$\frac{40}{\{1 00\frac{1}{2}\}*}$	$\frac{5.202}{2001}$	$\frac{2^{010}}{2^{000}} *$	$\frac{\text{neation}}{i}$	$\frac{\mathbb{Z}_2}{2_{0\frac{1}{2}0}^{100}} *$	$= \mathbb{Z}_2$ S1 =	$=z_{2P}$	
			$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	<u>+</u>					
$\frac{0}{1}$	(002)	1 1	0	0	0	0			
	(001)				1	1	F77 CT	,	
	**** o 1*			nnn Classi		$\frac{\mathbb{Z}_2}{2}$ $\frac{X_{BS}}{2}$	$=\mathbb{Z}_2$ SI =	$=z_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$			
0	(220)	1	0	0	0	0			
1	(110)	1	0	0	0	0	F7 CT		
	1		$\frac{3.264}{2001} P_{I}$	nnn Classi		$\mathbb{Z}_2$ $X_{BS} = \frac{100}{2}$	$=\mathbb{Z}_2$ SI =	$=z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$			
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0			
1	$(\bar{1}\bar{1}\bar{1})$	1	0	0	0	0			
	1	$\frac{49}{2^{001}}$	0.265 Pc		ication =	$\frac{\mathbb{Z}_M}{\Omega}$ $X_{BS} = \frac{1}{2}$	$=\mathbb{Z}_2$ SI =	$=z'_{2P}$	
$\mathbb{Z}_2$	weak		$2^{010}_{00\frac{1}{2}}$	i	$2^{100}_{00\frac{1}{2}}$	$Cm_{(2)}^{001}$			
0	(000)	0	0	0	0	$2\overline{2}00$			
0	(000)	0	0	0	0	$\frac{2\overline{2}00}{1\overline{1}00}$			
1	(000)						<i>F</i> 77 OT	+ +	
	***o - 1-	$49.269   1$ $2^{001}$		Classification			$\mathbb{Z}_{2,2}$ SI =	$z_{2m,0}^+, z_{2m,\pi}^+$	
$\mathbb{Z}_{2,2}$	weak		$2^{010}_{00\frac{1}{2}}*$	i	$2^{100}_{00\frac{1}{2}}*$	$Cm_{(2)}^{001}$			
00	(000)	0	0	0	0	$2\overline{2}00$			
00	(004)	0	0	0	0	$\frac{4022}{2\overline{2}00}$			
01	(000)	0	0	1	0	2011			
10	(002)	0	1	1	1	$\frac{2011}{1\overline{1}00}$			
11	(002)	0	1	0	1	3111			
	, ,	49.270	Pc'cm'		$n = \mathbb{Z} \times \mathbb{Z}$	$\mathbb{Z}_2$ $X_{BS} =$	$\mathbb{Z}_{2,2}$ SI =	= 22P2, 2'P	
$\overline{\mathbb{Z}_{2,2}}$	weak	2001*	$2^{010}_{00\frac{1}{2}}$	i	$2^{100}_{00\frac{1}{2}}*$	2 55	2,2	21 ,2) 2P	
00	$(0\bar{2}0)$	0	0	0	$\frac{00_{\overline{2}}}{0}$				
00	(000)	0	0	0	0				
01	(000)	1	0	1	1				
10	$(0\bar{1}0)$	0	0	0	0				
11	$(0\bar{1}0)$	1	0	1	1				
			$.272  P_a \epsilon$	ccm Classif	ication =	$\mathbb{Z}_M$ $X_{BS}$ :	$=\mathbb{Z}_2$ 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	(200)	1	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(100)	1	0	0	1	0	$1\overline{1}00$		
				ccm Classif	ication =	$\mathbb{Z}_M$ $X_{BS}$ :	$=\mathbb{Z}_2$ SI =		
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$2^{001}$	$2^{010}*$	i	$2^{100}*$	$Cm_{(2)}^{001}$		
0	$(00\bar{2})$	1	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{1\overline{1}00}$		
1	$(00\bar{1})$	1	0	1	1	1			
	vvc = 1-		$\frac{274}{2010} \frac{P_{B0}}{1}$	ccm Classif		$\frac{\mathbb{Z}_M  X_{\mathrm{BS}}}{2^{001}}$		$=z_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}_{\frac{1}{2}00}*$	$2^{100}_{\frac{1}{2}00}*$	$\frac{i}{2}$		$Cm_{(2)}^{001}$		
0	(220)	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$		
$\frac{0}{1}$	(000)	1	0	0	$\frac{0}{1}$	0	$\frac{2\overline{2}00}{1\overline{1}00}$		
	(110)							~′	
$\overline{\mathbb{Z}_2}$	weak		$\frac{.275 P_{C6}}{2^{001}}$	ccm Classif	$\frac{\text{ncation} = i}{i}$	$\frac{\mathbb{Z}_M  \mathbf{X}_{BS}}{2_{00\frac{1}{2}}^{100}}$	$= \mathbb{Z}_2$ S1:	$=z_{2P}$	
<u>~~2</u>	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	4	$2^{010}_{00\frac{1}{2}}$	$\iota$	$^{2}00\frac{1}{2}$	$Cm_{(2)}^{001}$		
0	(220)	1	0	0	0	0	$2\overline{2}00$		

0	(000)	0	0	0	0	0	$\overline{2200}$	
0	(000)	0		0	0	0		
1	(110)	1	0	0	1	0	1100	
		49		ccm Classif	ication = 1	$\mathbb{Z}_M  X_{BS} =$	$\mathbb{Z}_2$ 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	$2^{100}_{00\frac{1}{2}}$	$Cm_{(2)}^{001}$	
0	(222)	1	0	$\frac{00_{\overline{2}}}{0}$	0	$00^{\frac{1}{2}}$	$\frac{2\overline{200}}{200}$	
0	(000)	0	0	0	0	0	$\frac{2\overline{200}}{2\overline{200}}$	
1	(111)	1	0	0	1	0	$\frac{2200}{1\overline{1}00}$	
	(111)							
					cation = 1	$\mathbb{Z}_2$ $X_{\mathrm{BS}} = \mathbb{Z}_2$	$\mathbb{Z}_2  \mathrm{SI} = z'_{2P}$	
$\mathbb{Z}_2$	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	Pb'a'n	Classificatio	$n = \mathbb{Z} \times \mathbb{Z}$	$X_{BS} = \mathbb{Z}$	$z_{2,2}$ SI = $z_{2P,3}, z'_{2P}$	
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}00}*$	$\frac{i}{i}$	$\frac{1}{2_{0\frac{1}{2}0}^{100}}*$	22 1103	2,2 21 221,3,22	
00	$(00\bar{2})$	0	0	0	0			
00	(000)	0	0	0	0			
01	(000)	0	1	1	1			
10	$(00\bar{1})$	0	0	0	0			
11	$(00\bar{1})$	0	1	1	1			
		50.2		n' Classific	$ation = \mathbb{Z}$	$\times \mathbb{Z}_2$ $X_{BS}$ :	$=\mathbb{Z}_2$ $\mathrm{SI}=z'_{2P}$	
$\mathbb{Z}_2$	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			
0	$(0\overline{2}0)$	1	0	0	1			
1	(000)	1	0	1	1			
	(000)		0.204 D	ham Classif	Gastian	77 V	77 CT ./	
- F77	1		$\frac{0.284 P_a}{2010}$	$\frac{10001}{10001}$		$\Delta_2  \Lambda_{\rm BS} = \Lambda_{\rm BS}$	$\mathbb{Z}_2$ SI = $z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}00\}*$	$2^{010}_{\frac{1}{2}00}$	$2^{001}_{rac{1}{2}rac{1}{2}0}$	$i_{\frac{1}{2}00}*$	$2^{100}_{0\frac{1}{2}0}$		
0	$(\bar{2}00)$	1	0	0	0	0		
1	$(\bar{1}00)$	1	0	0	0	0		
		50	$0.285 P_c$	ban Classif	ication =	$\mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$	$\mathbb{Z}_2$ 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	$2^{100}_{0\frac{1}{2}0}$		
0	(002)	1	$\frac{\frac{7}{2}}{0}$	$\frac{\frac{1}{2}00}{0}$	0	$0^{\frac{1}{2}0}$		
1	(001)	1	0	0	1	0		
	(001)	_					F7 OT /	
			$0.286 P_A$	Aban Classif		$\mathbb{Z}_2$ $X_{BS} = 0$	$\mathbb{Z}_2$ 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	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$		
0	$(\bar{2}\bar{2}0)$	1	0	0	0	0		
1	$(\bar{1}\bar{1}0)$	1	0	0	1	0		
		50	$0.287 P_{C}$	ban Classit	fication =	$\mathbb{Z}_2$ $X_{PS} =$	$\mathbb{Z}_2$ SI = $z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{2^{001}_{\frac{1}{2}\frac{1}{2}0}}{2^{001}_{\frac{1}{2}\frac{1}{2}0}}$	$\frac{2^{010}_{\frac{1}{2}00}}{2^{00}}$	$\frac{i_{\frac{1}{2}\frac{1}{2}0}*}{}$	$\frac{2^{100}_{0\frac{1}{2}0}}{2^{100}_{0\frac{1}{2}0}}$	2 2P	
0	(220)		$\frac{\frac{2}{2}\frac{1}{2}0}{0}$	$\frac{2\frac{1}{2}00}{0}$	$\frac{0}{2}\frac{1}{2}0$	$\frac{-0\frac{1}{2}0}{0}$		
	(220) $(110)$	1	0	0	0	0		
1	(110)							
			$0.288 P_{I}$	ban Classif	ication =	$\mathbb{Z}_2$ $\mathbb{X}_{BS} = \mathbb{Z}_2$	$\mathbb{Z}_2  \mathrm{SI} = z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}00}$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}0}$		
0	(222)	1	0	0	0	0		
1	(111)	1	0	0	0	0		_
	/	51.289	Pmma	Classification	on = $\mathbb{Z}_{3}$ .	$X_{BS} = \mathbb{Z}_{2,2}$	$SI = z_{2m,0}^+, z_{2m,\pi}^+$	
$\overline{\mathbb{Z}_{2,2}}$	weak	$\begin{array}{c c} 2001 \\ 2\frac{1}{2}00 \end{array}$	$\frac{1}{2^{010}}$	i	$\frac{2100}{2\frac{1}{2}00}$	$\frac{R_{\rm BS} - Z_{2,2}}{Cm_{(2)}^{100}}$	$\frac{Cm_{(2)}^{010}}{Cm_{(2)}^{010}}$	
00	(000)	0	0	0	0	$\frac{2\overline{2}00}{\overline{2}200}$	$2\overline{2}00$	
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	<u>1</u> 100	0011	
10	(000)	0	0	1	0	$1\overline{1}00$	$1\overline{1}00$	

11	(000)	0	0	0	0	0000	1111		
		51.294	Pm'm'a	Classificat	$ion = \mathbb{Z} \times$	$\mathbb{Z}_2$ $X_{\mathrm{BS}} =$	$\mathbb{Z}_{2,2}$ $\mathrm{SI}=z$	$z_{2P,3}, z_{2P}'$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{rac{1}{2}00}$	$2^{010}*$	i	$2^{100}_{\frac{1}{2}00}*$				
00	$(00\bar{2})$	0	0	0	0				
00	(000)	0	0	0	0				
01	(000)	0	1	1	1				
10	$(00\bar{1})$	0	0	0	0				
11	$(00\bar{1})$	0	1	1	1				
-		51.29		a' Classif	$ication = \mathbb{Z}$	$\mathbb{Z}_M  imes \mathbb{Z} = \mathbb{X}_1$	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ SI =	$=z'_{2P}$	
$\mathbb{Z}_2$	weak	$2^{001}_{\frac{1}{2}00}*$	$2^{010}*$	i	$2^{100}_{\frac{1}{2}00}$	$Cm_{(2)}^{100}$			
0	(000)	0	0	0	0	$2\overline{200}$			
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'n	ma' Class	sification =	$\mathbb{Z}^2_M \times \mathbb{Z}$	$X_{BS} = \mathbb{Z}_{2,2}$	$SI = z_{2m}^+$	$z_{2m,0}^-, z_{2m,\pi}^+$	
$\overline{\mathbb{Z}_{2,2,2}}$	weak	$2^{001}_{\frac{1}{2}00}*$	$2^{010}$	i	$\frac{100}{2_{\frac{1}{2}00}^{100}}*$	$Cm_{(2)}^{010}$	, 2111	,ο. Δπι,ο. Δπι,π	
000	$(0\bar{2}0)$	0	0	0	$\frac{\frac{1}{2}00}{0}$	$\frac{2}{2402}$			
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	$(0\bar{1}0)$	0	0	0	0	$1\overline{2}0\overline{1}$			
101	$(0\bar{1}0)$	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	tion = $\mathbb{Z}_M^3$	$X_{BS} = \mathbb{Z}_2$		$z_{2m,\pi}^{+}$	
$\mathbb{Z}_{2,2}$	weak	$\{1 \frac{1}{2}00\}*$	$2^{001}_{\frac{1}{2}00}$	$2^{010}_{\frac{1}{2}00}*$	$i_{\frac{1}{2}00}*$	$2^{100}*$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	
00	(200)	1	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	
00	$(\bar{2}00)$	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	$(\bar{1}00)$	0	0	1	0	1	<u>1</u> 100	0011	
10	(100)	1	0	1	0	1	1100	1100	
11	(000)	0	0	0	0	0	0000	1111	
			$\frac{299}{291} P_b m_b$	na Classi	fication = 1	$\mathbb{Z}_M^2$ $X_{\mathrm{BS}}$ =	$=\mathbb{Z}_2$ $\mathrm{SI}=z_2$	$_{2m,0}^{+}$	
$\mathbb{Z}_2$	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	(020)	1	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	(010)	1	0	0	1	0	$1\overline{1}00$	$1\overline{1}00$	
		51.300	$P_cmma$	Classificat	tion = $\mathbb{Z}_M^3$	$X_{BS} = \mathbb{Z}_2$		$z_{2m,\pi}^{+}$	
$\mathbb{Z}_{2,2}$	weak	$\{1 00\frac{1}{2}\}*$	$2^{001}_{\frac{1}{2}00}$	$2^{010}$	i	$2^{100}_{\frac{1}{2}00}$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	
00	(002)	1	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	
00	$(00\bar{2})$	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	$(00\bar{1})$	0	0	0	1	0	$\overline{1}100$	$001\overline{1}$	
10	(001)	1	0	0	1	0	$1\overline{1}00$	$1\overline{1}00$	
11	(000)	0	0	0	0	0	0000	1111	
		51.3	$R_{A}$	ma Class	ification =	$\mathbb{Z}_M^2$ $X_{\mathrm{BS}}$ :	$=\mathbb{Z}_2$ $\mathrm{SI}=z$	+ 2m.0	
								,	

	1	(1 01 1)	0100	0001	•	$2^{010}$	C 100	Q 010	
$\mathbb{Z}_2$	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{100}_{\frac{1}{2}00}$	$2^{001}_{\frac{1}{2}00}$	$\frac{i}{2}$		$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	
0	$(\bar{2}\bar{2}0)$	1	0	0	0	0	$2\overline{2}00$	2200	
0	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{0000}$	$\frac{0000}{2\overline{2}00}$	
0	$(000)$ $(\overline{110})$	0	0	0	0 1	0	$\frac{0000}{1\overline{1}00}$	$\frac{2200}{1\overline{1}00}$	
1	(110)								
	**** a l*	51.302	$P_Bmma$	Olassificat	$tion = \mathbb{Z}_M^3$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2m}^{+}$ $Cm_{(2)}^{100}$	$z_{2m,\pi}$	
$\mathbb{Z}_{2,2}$	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{00\frac{1}{2}}*$	$i_{\frac{1}{2}0\frac{1}{2}}*$	$2^{001}_{\frac{1}{2}00}$	$Cm_{(2)}^{-3}$		
00	(220)	1	0	0	0	0	$\frac{2\overline{2}00}{\overline{2}200}$	$2\overline{2}00$	
00	$(\bar{2}\bar{2}0)$ $(000)$	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	0000	$0000 \\ 00\overline{2}2$	
01	$(\overline{1}\overline{1}0)$	0	1	1	0	0	$\frac{1100}{1}$	$\frac{0022}{001\overline{1}}$	
10	(110)	1	1	1	0	0	$\frac{1\overline{100}}{1\overline{100}}$	$1\overline{1}00$	
11	(000)	0	0	0	0	0	0000	1111	
	, ,	51.3	$R_{Cmr}$	na Classi	$fication = \mathbb{Z}$	$Z_M^2$ $X_{BS}$ :	$=\mathbb{Z}_2$ $SI=z$	+ 2m, 0	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{2^{001}_{\frac{1}{2}00}}{2^{001}_{\frac{1}{2}00}}$	$\frac{2^{010}_{\frac{1}{2}\frac{1}{2}0}*}{2^{010}_{\frac{1}{2}\frac{1}{2}0}}$	$\frac{i_{\frac{1}{2}\frac{1}{2}0}*}{}$	$\frac{2_{0\frac{1}{2}0}^{100}*}{2_{0\frac{1}{2}0}^{100}*}$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{100}$	
0	(220)	1	$\frac{\frac{1}{2}00}{0}$	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{1}{2}$ $\frac{1}{2}$ $0$	$0\frac{1}{2}$	$\frac{2\overline{200}}{2\overline{200}}$	$\frac{2\overline{200}}{2\overline{200}}$	
0	(000)	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$	0000	
0	(000)	0	0	0	0	0	0000	$2\overline{2}00$	
1	(110)	1	0	1	0	1	1100	1100	
-	·	51.3		na Classi	$fication = \mathbb{Z}$	$^{2}_{M}$ X <sub>BS</sub> =	$=\mathbb{Z}_2$ 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	(222)	1	$\frac{\frac{1}{2}00}{0}$	$\frac{1}{2}00$	0	0	$\frac{2\overline{200}}{200}$	$\frac{2\overline{200}}{200}$	
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	(111)	1	0	0	1	0	$1\overline{1}00$	$1\overline{1}00$	
			2.305 $Pn$		fication = $\mathbb{Z}$	$Z_2$ $X_{BS} =$	$\mathbb{Z}_2$ SI $= z_2'$	P	
$\mathbb{Z}_2$	weak	$2^{001}_{rac{1}{2}00}$	$2^{010}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	i	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$				
0	(000)	0	0	0	0				
1	(000)	0	0	1	0				
			Pn'n'		$cation = \mathbb{Z}$	$\times \mathbb{Z}_2 - X_B$	$S = \mathbb{Z}_2$ $SI =$	$z_{2P}'$	
$\mathbb{Z}_2$	weak	$2^{001}_{rac{1}{2}00}$	$2^{010}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	i	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$				
0	(000)	0	0	0	0				
0	(002)	0	1	0	1				
1	(000)	0	1	1	1				
	_	52.3			$cation = \mathbb{Z}$	$\times \mathbb{Z}_2  X_{\mathrm{B}}$	$S = \mathbb{Z}_2$ $SI =$	$z_{2P}'$	
$\mathbb{Z}_2$	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				
	$(\bar{2}00)$	1	1	0	0				
1	(000)	1	1	1	0	F77	F7 07		
F77	1	52.3			$\frac{\text{cation} = \mathbb{Z}}{2^{100}}$	$\times \mathbb{Z}_2  X_{\mathrm{B}}$	$S = \mathbb{Z}_2$ $SI =$	$z'_{2P}$	
$\mathbb{Z}_2$	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				
0	(020)	0	$\frac{1}{0}$	0	1 1				
1	(000)					77 37	77 OT /		
	1-	$\frac{52}{111000}$	$\frac{2.314 P_a r_b}{2010}$	$\frac{na}{2^{100}}$ Class		$\frac{\mathbb{Z}_2  X_{BS}}{2^{001}}$ *	$=\mathbb{Z}_2$ $\mathrm{SI}=z_2'$	<u>2</u> P	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}00\}*$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$	i				
0	(020)	1	0	0	0	0			
1	(010)	1	1	0	1	1	F7 CT '		
	1		$\frac{2.315 P_b n_b}{2.010}$	$\frac{na}{2001}$ Class		$X_{2}$ $X_{BS} = \frac{100}{2}$	$=\mathbb{Z}_2$ $\mathrm{SI}=z_2'$	<u>P</u>	
$\mathbb{Z}_2$	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	$(00\bar{2})$	1	0	0	0	0	
1	/		1	1	0	0	
1	$(00\bar{1})$	1	1	1			
			2.316 $P_c$		ication =	$\mathbb{Z}_2$ $\mathbb{X}_{\mathrm{BS}} = \mathbb{Z}_2$	$\mathbb{Z}_2$ $SI = z'_{2P}$
$\mathbb{Z}_2$	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	(020)	1	$\frac{0}{2}$ 0	$\frac{1}{2}00$	0	$\frac{\overline{2}\overline{2}\overline{0}}{0}$	
1	(010)	1	1	0	1	1	
1	(010)	_	-			<u> </u>	
			$P_{A}$ 2.317 $P_{A}$ 2.317 $P_{A}$	nna Classif	fication =	$\mathbb{Z}_2$ $\mathbb{X}_{\mathrm{BS}}=\mathbb{Z}_2$	$\mathbb{Z}_2  \mathrm{SI} = z'_{2P}$
$\mathbb{Z}_2$	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	$(\bar{2}\bar{2}0)$	1	0	0	0	0	
1	(110)	1	1	1	1	0	
	(110)						
				nna Classif		$\mathbb{Z}_2$ $\mathbb{X}_{\mathrm{BS}} = \mathbb{Z}_2$	$\mathbb{Z}_2$ SI = $z'_{2P}$
$\mathbb{Z}_2$	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	(220)	1	0	0	0	0	
1	(110)	1	0	0	0	0	
		50	210 D <sub>-</sub>	nna Classif	Gention -	- 7 . V	$\mathbb{Z}_2$ SI = $z'_{2P}$
						$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	$\omega_2$ or $\omega_{2P}$
$\mathbb{Z}_2$	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	(220)	1	0	0	0	0	
1	(110)	1	1	1	1	0	
		52	$2.320 P_{\tau}$	nna Classif	ication =	$\mathbb{Z}_2$ $\mathbb{X}_{\mathrm{BS}} = \mathbb{Z}_2$	$\mathbb{Z}_2$ $\mathrm{SI} = z_{2D}'$
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{2.020}{2^{001}_{\frac{1}{2}00}}$	$\frac{2^{100}_{\frac{1}{2}00}*}{2^{100}_{\frac{1}{2}00}}$	$\frac{i}{i}$	$\frac{2010}{2010}$ *	<u> </u>
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0	
1	$(\bar{1}\bar{1}\bar{1})$	1	0	1	1	1	
		53	.321 Pn	na Classifi	cation =	$\mathbb{Z}_M  X_{BS} =$	$\mathbb{Z}_2  \mathrm{SI} = z'_{2P}$
$\overline{\mathbb{Z}_2}$	weak	$2^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}$	i	$2^{100}$	$Cm_{(2)}^{100}$	21
0	(000)	0	0	0	0	$\frac{1}{2\overline{2}00}$	
0	. /	0	0	0	0	$\frac{2200}{2\overline{2}00}$	
	(000)	_					
1	(000)	0	0	1	0	$1\overline{1}00$	
		53.32		a'a Classific		$\mathbb{Z} \times \mathbb{Z}_2  X_{\mathrm{BS}}$	$=\mathbb{Z}_2$ $\mathrm{SI}=z_{2P}'$
$\mathbb{Z}_2$	weak	$2^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{010}_{\frac{1}{2}0^{\frac{1}{2}}}*$	i	$2^{100}*$		
0	(000)	0	$\frac{202}{0}$	0	0		
0	$(00\bar{2})$	1	1	0	0		
1	(002)	0	1	1	1		
1	(000)						
		53.327 $F$	Pmn'a'	Classification	$=\mathbb{Z}_{M}\times$	$\mathbb{Z}$ $X_{BS} = \mathbb{Z}_2$	$z_{2,2}  \text{SI} = z_{2m,0}^+, z_{2m,\pi}^+$
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}*$	i	$2^{100}$	$Cm_{(2)}^{100}$	
00	(000)	0	0	0	0	$2\overline{200}$	
00	(400)	0	0	0	0	4022	
00	(000)	0	0	0	0	$\frac{2\overline{200}}{2\overline{200}}$	
01	(200)	0	0	1	0	2011	
10	(000)		1	1		$\frac{2011}{1\overline{1}00}$	
	/	1			0		
11	(200)	1	1	0	0	$3\overline{1}11$	
		53.328	Pm'na'	Classificatio	$n = \overline{\mathbb{Z} \times}$	$\mathbb{Z}_2  X_{BS} = \mathbb{Z}$	$z_{2,2}$ 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	$2^{100}*$		
00	$(0\bar{2}0)$	0	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	0	0		
00	(000)	0	0	0	0		
01	(000)	1	0	1	1		
10	$(0\bar{1}0)$	0	0	0	0		
	/						
11	$(0\bar{1}0)$	1	0	1	1		
			$.330 P_a r$	nna Classifi	ication =	$\mathbb{Z}_M$ $X_{BS} =$	$\mathbb{Z}_2  \mathrm{SI} = z'_{2P}$
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}00\}*$	$2^{010}_{00\frac{1}{2}}*$	$2^{100}$	i	$2^{001}_{00\frac{1}{2}}*$	$Cm_{(2)}^{100}$
0	$(0\bar{2}0)$	1	$\frac{00_{\overline{2}}}{0}$	0	0	$\frac{00\frac{1}{2}}{0}$	$\frac{(2)}{2\overline{2}00}$
0	(000)	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$
	(000)		U	U	U	U	4400

	(010)	1	1	0	-1	1	1100		
1	$(0\bar{1}0)$	1	1	0	1	1	$1\overline{1}00$		
			$.331 P_b n$	na Classif		$Z_M = X_{BS}$ :	$= \mathbb{Z}_2  \text{SI} =$	$z_{2P}^{\prime}$	
$\mathbb{Z}_2$	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	(020)	1	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(010)	1	0	0	1	0	$1\overline{1}00$		
		53	.332 P <sub>c</sub> n	na Classif	$ication = \mathbb{Z}$	Z <sub>M</sub> X <sub>RS</sub> :	$= \mathbb{Z}_2$ SI $=$	: Z' <sub>O.D.</sub>	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	2100	$2^{010}_{\frac{1}{2}00}*$	i	$\frac{2^{001}_{\frac{1}{2}00}*}{2^{00}}$	$Cm_{(2)}^{100}$	2.1	
0	(200)	1	0	0	0	$0 = \frac{1}{2}00$	$\frac{2\overline{200}}{2\overline{200}}$		
0	(000)	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$		
1	(100)	1	0	1	1	1	$\frac{2200}{1\overline{1}00}$		
	(100)								
	1.			nna Classit			$=\mathbb{Z}_2$ SI =	$=z_{2P}^{\prime}$	
$\mathbb{Z}_2$	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	$2\frac{001}{\frac{1}{2}\frac{1}{2}0}*$	$i_{0\frac{1}{2}\frac{1}{2}}*$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}$	$Cm_{(2)}^{100}$		
0	(220)	1	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(110)	1	1	1	0	0	$1\overline{1}00$		
		53.	$.334 P_B r$	nna Classii	fication = Z	$\mathbb{Z}_M$ $X_{\mathrm{BS}}$	$=\mathbb{Z}_2$ SI =	$=z_{2P}^{\prime}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}*$	$2^{001}*$	i	$2^{100}$	$Cm_{(2)}^{100}$		
0	(220)	1	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(110)	1	1	1	1	0	$1\overline{1}00$		
		53.	$.335 P_{C}r$	nna Classii	fication = Z	$\mathbb{Z}_M$ $\mathbb{X}_{\mathrm{BS}}$	$=\mathbb{Z}_2$ SI =	$= z'_{2D}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2_{0\frac{1}{2}\frac{1}{2}}^{001}*$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$	i	$2^{100}$	$Cm_{(2)}^{100}$	ZF	
0	(220)	1	$0^{\frac{1}{2}\frac{1}{2}}$	0 = 5	0	0	$\frac{2\overline{200}}{2\overline{200}}$		
0	(000)	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$		
1	(110)	1	1	1	1	0	$\frac{2200}{1\overline{1}00}$		
	(110)								
77	**** 1*		$\frac{.550 P_I n}{.001}$	nna Classif	$\frac{1 \text{cation} = \mathbb{Z}}{i}$	$\frac{L_M \Lambda_{\rm BS}}{2^{100}}$	$= \mathbb{Z}_2  S1 = \frac{C_{mi} \cdot 100}{C_{mi} \cdot 100}$	$z_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}_{0\frac{1}{2}0}*$	$2^{010}_{0\frac{1}{2}0}*$			$Cm_{(2)}^{100}$		
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	$(\bar{1}\bar{1}\bar{1})$	1	1	1	1	0	$1\overline{1}00$		
		5			$cation = \mathbb{Z}$	$_2$ $X_{BS} =$	$\mathbb{Z}_2$ SI = 2	$z_{2P}'$	
$\mathbb{Z}_2$	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				
1	(000)	0	0	1	0				
		54.342	Pc'c'a	Classification	$on = \mathbb{Z} \times \mathbb{Z}$	$_{2}$ $X_{BS} =$	$\mathbb{Z}_{2,2}$ SI =	$z'_{2C}, z'_{2D}$	
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{001}_{\frac{1}{2}00}$	$2^{010}_{00\frac{1}{2}}*$	i	$2^{100}_{\frac{1}{2}0\frac{1}{2}}*$	2 00	2,2	2C ) ~ 2F	
00	(004)	$\frac{1}{2}00$	00 ½	0	$0 = \frac{\frac{1}{2}0\frac{1}{2}}{0}$				
00	(000)	0	0	0	0				
01	(000)	0	1	1	1				
10	(002)	0	1	0	1				
11	(002)	0	0	1	0				
	(00=)					, 77 V	77 CT	/	
$\overline{\mathbb{Z}_2}$	weak	54.3		$\frac{i}{i}$	$\frac{\text{ation} = \mathbb{Z}}{2^{100}}$	$\sim \omega_2$ $\Lambda_{\rm BS}$	$S = \mathbb{Z}_2$ SI:	$- z_{2P}$	
		$2^{001}_{\frac{1}{2}00}*$	$2^{010}_{00\frac{1}{2}}*$		$2^{100}_{\frac{1}{2}0\frac{1}{2}}$				
0	(000)	0	0	0	0				
0	(200)	1	0	0	1				
1	(000)	1	1	1	0				
	-	54.344		Classificatio		$X_{BS} = X_{BS}$	$\mathbb{Z}_{2,2}$ SI =	$z_{2P,2}, z'_{2P}$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{\frac{1}{2}00}*$	$2^{010}_{00\frac{1}{2}}$	i	$2^{100}_{\frac{1}{2}0^{\frac{1}{2}}}*$				
00	$(0\bar{2}0)$	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	$(0\bar{1}0)$	1	0	1	1			
			$1.346 P_{c}$	acca Classifi	ication =	$\mathbb{Z}_2  X_{BS} = \mathbb{Z}$	$_{2}$ 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	(200)	1	0	0	0	0		
1	(100)	1	0	1	0	1		
		54	1.347 P	bcca Classifi	ication =	$\mathbb{Z}_2  X_{BS} = \mathbb{Z}$	$_{2}$ SI = $z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 0\frac{1}{2}0\}*$	$2^{001}_{\frac{1}{2}00}$	$2^{010}_{00\frac{1}{2}}$	i	$2^{100}_{\frac{1}{2}0\frac{1}{2}}$		
0	$(0\bar{2}0)$	1	0	0	0	0		
1	$(0\bar{1}0)$	1	0	0	1	0		
		54	1.348 P	cca Classifi	ication =	$\mathbb{Z}_2  X_{BS} = \mathbb{Z}$	$_{2}$ SI = $z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$2^{001}_{\frac{1}{2}00}$	2 <sup>010</sup> *	i	$2^{100}_{\frac{1}{2}00}*$		
0	$(00\bar{2})$	1	$\frac{\frac{1}{2}00}{0}$	0	0	$\frac{1}{200}$		
1	$(00\overline{1})$	1	0	1	1	1		
		54	.349 P	Acca Classif	ication =	$\mathbb{Z}_2$ $\mathbb{X}_{PS} = \mathbb{Z}$	$_{2}$ SI = $z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	$\frac{2^{001}_{\frac{1}{2},\frac{1}{2},\frac{1}{2}}}{2^{\frac{1}{2},\frac{1}{2},\frac{1}{2}}}*$	$i_{0\frac{1}{2}\frac{1}{2}}*$	$2_{00\frac{1}{2}}^{010}$	Zr Zr	
0	$(\bar{2}\bar{2}0)$	1	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{\bar{2}  \bar{2}  \bar{2}}{0}$	0 2 2	00 2		
1	(110)	1	1	1	0	0		
	,	54	350 P	Bcca Classif	ication =	$\mathbb{Z}_2$ $\mathbb{X}_{\mathrm{DC}} = \mathbb{Z}$	$SI = z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}_{00\frac{1}{2}}$	$\frac{2^{100}_{\frac{1}{2}0\frac{1}{2}}}{2^{100}_{\frac{1}{2}}}$	$\frac{i_{\frac{1}{2}0^{\frac{1}{2}}}}{i_{\frac{1}{2}0^{\frac{1}{2}}}}$	$\frac{2001}{2\frac{1}{2}00}$	2 21 ~2p	
0	$(\bar{2}\bar{2}0)$	1	$00\frac{1}{2}$	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	$\frac{1}{2}0\frac{1}{2}$	0		
1	(110)	1	0	0	0	0		
	( - /			acca Classif	ication =	$\mathbb{Z}_2$ $\mathbb{X}_{\mathrm{BS}}=\mathbb{Z}_2$	$SI = z'_{r}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{2^{001}_{0\frac{1}{2}0}*}{2^{001}_{0\frac{1}{2}0}}$	$\frac{2_{0\frac{1}{2}\frac{1}{2}}^{100}}{2_{0\frac{1}{2}\frac{1}{2}}^{100}}$	$\frac{i_{\frac{1}{2}\frac{1}{2}0}*}{}$	$\frac{2^{010}}{2^{00\frac{1}{2}}}$	2 51 ~2p	
0	$(\bar{2}\bar{2}0)$	1	0 20	$\frac{0\frac{1}{2}\frac{1}{2}}{0}$	$\frac{\overline{2}\overline{2}0}{0}$	00 2		
1	$(\overline{1}\overline{1}0)$	1	1	1	0	0		
	( )	54	1.352 P	cca Classifi	ication =	$\mathbb{Z}_2$ $\mathbb{X}_{\mathrm{DS}} = \mathbb{Z}_2$	$_{2}$ SI = $z_{2P}'$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{010}_{00\frac{1}{2}}$	$\frac{2^{001}_{\frac{1}{2}00}}{2^{00}}$	$\frac{i}{i}$	$\frac{2^{100}}{2^{100}}$ *	2 27	
0	$(\bar{2}\bar{2}\bar{2})$	1	$\frac{00_{\overline{2}}}{0}$	$\frac{\frac{1}{2}00}{0}$	0	0		
1	$\overline{(\overline{1}\overline{1}\overline{1})}$	1	0	0	1	1		
	/	55.353	Pham	Classificatio	$n = \mathbb{Z}^2$	$X_{PS} = \mathbb{Z}_{2,2}$	$SI = z_{2m,0}^+, z_{2m,\pi}^+$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}$	$2^{010}_{\frac{1}{2}\frac{1}{2}0}$	$\frac{i}{i}$	$\frac{1100}{2\frac{1}{2}\frac{1}{2}0}$	$Cm_{(2)}^{001}$	$\sim 2m,0,\sim 2m,\pi$	
00	(000)	0	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	0	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{200}{200}$		
00	(000)	0	0	0	0	$\frac{002\overline{2}}{002}$		
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	$1\overline{1}00$		
11	(000)	0	0	0	0	$1\overline{1}1\overline{1}$		
	5	5.357  Pb'a'	m Clas	sification = Z	$\mathbb{Z}_M^2 \times \mathbb{Z}$	$X_{BS} = \mathbb{Z}_{2,2,2}$	$SI = z_{2m,0}^+, z_{2m,0}^-, z_{2m,\pi}^+$	
$\mathbb{Z}_{2,2,2}$	weak	$2^{001}$	$2^{010}_{\frac{1}{2}\frac{1}{2}0}*$	i	$\frac{2^{100}}{2^{\frac{1}{2}\frac{1}{2}0}}*$	$Cm_{(2)}^{001}$		
000	$(00\bar{2})$	0	0	0	0	$2\overline{402}$		
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		
$\frac{011}{100}$	$(001)$ $(00\bar{1})$	0	0	0	0	$\frac{0110}{1\overline{2}0\overline{1}}$		
100	(001) $(001)$	0	1	1	1	$\frac{1201}{1\overline{2}1\overline{2}}$		
110	(000)	0	1	1	1	$\frac{1212}{1\overline{1}00}$		
	(300)	<u> </u>						

111	(000)	0	0	0	0	1111		
		55.3	58 Pb'an	n' Classific	$cation = \mathbb{Z}$	$\times \mathbb{Z}_2$ $X_{F}$	$S_{S} = \mathbb{Z}_2$ $SI = z'_{2P}$	
$\mathbb{Z}_2$	weak	$2^{001}*$	$2^{010}_{\frac{1}{2}\frac{1}{2}0}$	i	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$		2 ZF	
0	(000)	0	$\frac{\frac{\overline{2}}{2}\overline{2}0}{0}$	0	$\frac{\overline{2}\overline{2}\overline{0}}{0}$			
0	(020)	0	1	0	1			
1	(000)	1	0	1	1			
	,	55.360	$P_abam$	Classificati	on = $\mathbb{Z}_{2}^{2}$ .	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2m,0}^+, z_{2m,\pi}^+$	
$\overline{\mathbb{Z}_{2,2}}$	weak	$\{1 \frac{1}{2}00\}*$	$\frac{2_{0\frac{1}{2}0}^{100}*}{2_{0\frac{1}{2}0}^{100}}$	$2^{001}_{\frac{1}{2}00}*$	$\frac{i_{\frac{1}{2}00}*}{i_{\frac{1}{2}00}*}$	$\frac{2^{010}_{\frac{1}{2}\frac{1}{2}0}}{2^{010}_{\frac{1}{2}\frac{1}{2}0}}$	$\frac{c_{2,2}}{Cm_{(2)}^{001}}$	
00	$(00\overline{2})$		$\frac{2_{0\frac{1}{2}0}}{0}$	$\frac{-\frac{1}{2}00}{0}$	$\frac{\frac{\sqrt{2}00}{2}00}{0}$	$\frac{-\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{2\overline{200}}{2\overline{200}}$	
00	(002)	0	0	0	0	0	$\frac{2200}{002\overline{2}}$	
00	(002)	0	0	0	0	0	$\frac{0022}{00\overline{2}2}$	
01	(000)	0	1	1	0	0	$\frac{0022}{001\overline{1}}$	
10	$(00\overline{1})$	1	1	1	0	0	$\frac{1\overline{1}00}{1}$	
11	(000)	0	0	0	0	0	1111	
	()		$\frac{1}{361} P_c ba$		$cation = \mathbb{Z}$			
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{2001}{2001}$	9010	$\frac{cation - z}{i}$	$\frac{I_{\rm M}}{2}$	$\frac{-  \mathbb{Z}_2  \text{S1} -  \mathbb{Z}_{2m,0}}{Cm_{(2)}^{001}}$	
				$2^{010}_{\frac{1}{2}\frac{1}{2}0}$		$2^{100}_{\frac{1}{2}\frac{1}{2}0}$		
0	$(00\bar{2})$	1	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$	
$\frac{0}{1}$	$(000)$ $(00\overline{1})$	0	0	0	0	0	$\frac{2200}{1\overline{1}00}$	
1	(001)							
		55.5		m Classif		$\frac{Z_M - X_{BS}}{2^{001}}$	$= \mathbb{Z}_2  \text{SI} = z_{2m,0}^+$	
$\mathbb{Z}_2$	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{rac{1}{2}rac{1}{2}0}$	i	$2^{001}$	$Cm_{(2)}^{001}$	
0	(220)	1	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
1	(110)	1	0	0	1	0	$1\overline{1}00$	
		55.363	$P_Cbam$	Classificati		$X_{BS} = \mathbb{Z}$	$SI = z_{2m,0}^+, z_{2m,\pi}^+$	
$\mathbb{Z}_{2,2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}$	$2^{010}*$	i	$2^{100}*$	$\frac{2,2}{Cm_{(2)}^{001}} \frac{S1 - z_{2m,0}, z_{2m,\pi}}{Cm_{(2)}^{001}}$	
00	(220)	1	0	0	0	0	$2\overline{2}00$	
00	$(\bar{2}\bar{2}0)$	0	0	0	0	0	$002\overline{2}$	
00	(000)	0	0	0	0	0	$00\overline{2}2$	
01	$(\bar{1}\bar{1}0)$	0	0	1	1	1	0011	
10	(110)	1	0	1	1	1	1100	
11	(000)	0	0	0	0	0	1111	
		55.	$364 P_I ba$	m Classifi	$cation = \mathbb{Z}$	$Z_M = X_{BS} =$	$= \mathbb{Z}_2  \mathrm{SI} = z_{2m,0}^+$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}$	$2^{010}_{00\frac{1}{2}}*$	i	$2^{100}_{00\frac{1}{2}}*$	$Cm_{(2)}^{001}$	
0	(222)	1	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
1	(111)	1	0	1	1	1	$1\overline{1}00$	
		5	6.365 $Pe$	ccn Classif	ication = Z	$\mathbb{Z}_2$ $X_{\mathrm{BS}}$ =	$=\mathbb{Z}_2$ $\mathrm{SI}=z_{2P}'$	
$\overline{\mathbb{Z}_2}$	weak	$2^{001}_{rac{1}{2}rac{1}{2}0}$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}$	i	$2^{100}_{\frac{1}{2}0\frac{1}{2}}$		21	
0	(000)	$\frac{\overline{2}\overline{2}^{0}}{0}$	$0^{\frac{0}{2}\frac{7}{2}}$	0	$\frac{\overline{2}^{0}\overline{2}}{0}$			
1	(000)	0	0	1	0			
	/	56.369	Pc'c'n	Classificati	on = $\mathbb{Z} \times \mathbb{Z}$	7.0 Xpc =	$= \mathbb{Z}_{2,2}  \text{SI} = z'_{2C}, z'_{2P}$	
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$	$\frac{i}{i}$	$\frac{2^{100}_{\frac{1}{2}0\frac{1}{2}}}{2^{100}_{\frac{1}{2}}}*$	22 1105	$\mathbb{Z}_{2,2}$ or $\mathbb{Z}_{2C},\mathbb{Z}_{2P}$	
$\frac{-2,2}{00}$	(004)	$\frac{-\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{-0\frac{1}{2}\frac{1}{2}}{0}$	0	$\frac{-\frac{1}{2}0\frac{1}{2}}{0}$			
00	(004)	0	0	0	0			
01	(000)	0	1	1	1			
10	(000)	0	1	0	1			
11	(002)	0	0	1	0			
	/	56.3		' Classific	$\operatorname{cation} = \mathbb{Z}$	× Z <sub>12</sub> X <sub>22</sub>	$S = \mathbb{Z}_2$ $SI = z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$\frac{2^{010}_{0\frac{1}{2}\frac{1}{2}}}{2^{010}_{0\frac{1}{2}\frac{1}{2}}}$		$\frac{2^{100} - 2}{2^{100}_{\frac{1}{2}0^{\frac{1}{2}}} *}$	<u>∨π7</u> 2 <b>ν</b> Β	$\omega_2 = \omega_2 = \omega_1 - \omega_{2P}$	
$\frac{22}{0}$	(000)	$\frac{\frac{2}{2}\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{{}^{2}0^{\frac{1}{2}\frac{1}{2}}}{0}$	0	$\frac{2\frac{1}{2}0\frac{1}{2}}{0}$			
	(000)	U	U	U	U			

0	$(0\bar{2}0)$	1	1	0	0			
1	(000)	1	0	1	1			
		5	$6.372 P_{t}$	ccn Classif	ication =	$\mathbb{Z}_2$ $X_{BS} = 1$	$\mathbb{Z}_2  \mathrm{SI} = z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 0\frac{1}{2}0\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{00\frac{1}{2}}*$	$i_{0\frac{1}{2}0}*$	$\frac{2^{100}}{2^{\frac{1}{2}\frac{1}{2}\frac{1}{2}}} *$		
0	$(0\bar{2}0)$	1	0	0	0	0		
1	$(0\bar{1}0)$	1	0	1	0	1		
		5	$6.373 P_{c}$	ccn Classif	ication =	$\mathbb{Z}_2$ $X_{BS} = 1$	$\mathbb{Z}_2  \text{SI} = z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{0\frac{1}{2}0}*$	i	$2^{100}_{\frac{1}{2}00}*$	21	
0	$(00\bar{2})$	1	0	0	0	0		
1	$(00\bar{1})$	1	0	1	1	1		
		50	$6.374$ $P_A$	ccn Classif	fication =	$\mathbb{Z}_2$ $\mathbb{X}_{\mathrm{BS}} =$	$\mathbb{Z}_2$ SI = $z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}$	$2^{001}_{\frac{1}{2}0\frac{1}{2}}*$	i	$2^{010}*$	21	
0	$(\bar{2}\bar{2}0)$	1	$\frac{2 \cdot 2}{0}$	0	0	0		
1	$(\overline{1}\overline{1}0)$	1	0	1	1	1		
		50	$6.375 P_C$	ccn Classif	fication =	$\mathbb{Z}_2$ $\mathbb{X}_{BS} =$	$\mathbb{Z}_2$ SI = $z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	- 21	
0	(220)	1	$\frac{\frac{\overline{2}}{2}\overline{2}^0}{0}$	$\frac{\overline{2}^{0}\overline{2}}{0}$	0	$0^{\frac{1}{2}\frac{1}{2}}$		
1	(110)	1	0	1	0	1		
		5	$6.376 P_{1}$	ccn Classif	ication =	$\mathbb{Z}_2$ $X_{BS} =$	$\mathbb{Z}_2  \mathrm{SI} = z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{2^{001}_{\frac{1}{2}\frac{1}{2}0}}{2^{001}}$	$2^{010}_{\frac{1}{2}00}*$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\frac{2^{100}}{2^{100}}*$	- 21	
0	$(\bar{2}\bar{2}\bar{2})$	1	$\frac{\frac{\overline{2}}{2}\overline{2}0}{0}$	$\frac{\frac{1}{2}00}{0}$	$\frac{222}{0}$	$0^{\frac{1}{2}0}$		
1	$(\overline{1}\overline{1}\overline{1})$	1	0	1	0	1		
		57	7.377 Pb	ocm Classifi	cation =	$\mathbb{Z}_M$ $X_{BS} =$	$\mathbb{Z}_2$ SI = $z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$2^{001}_{00\frac{1}{2}}$	$2_{0\frac{1}{2}\frac{1}{2}}^{010}$	i	$2^{100}_{0\frac{1}{2}0}$	$Cm_{(2)}^{001}$	2 - 2F	
0	(000)	$00^{\frac{1}{2}}$	$0^{\frac{0}{2}\frac{7}{2}}$	0	$0^{\frac{1}{2}0}$	$\frac{2\overline{200}}{2\overline{200}}$		
0	(000)	0	0	0	0	$2\overline{2}00$		
1	(000)	0	0	1	0	$1\overline{1}00$		
		57.38	B2 Pb'c'	m Classifica	$ation = \mathbb{Z}$	$I_M \times \mathbb{Z} = X_{BS}$	$=\mathbb{Z}_2  \mathrm{SI}=z_{2P}'$	
$\overline{\mathbb{Z}_2}$	weak	$2^{001}_{00\frac{1}{2}}$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$	i	$2^{100}_{0\frac{1}{2}0}*$	$Cm_{(2)}^{001}$	- 21	
0	(000)	0	$0^{\frac{0}{2}}$	0	$\frac{0}{0}$	$\frac{2\overline{200}}{200}$		
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	$1\overline{1}00$		
		57.383	Pbc'm'	Classificatio	$on = \mathbb{Z} \times$	$\mathbb{Z}_2  \mathrm{X}_{\mathrm{BS}} = \mathbb{Z}$	$Z_{2,2}$ 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	$(\bar{2}00)$	0	0	0	0			
00	(000)	0	0	0	0			
01	(000)	1	1	1	0			
10	$(\bar{1}00)$	0	0	0	0			
11	$(\bar{1}00)$	1	1	1	0			
	-	57.3				$\mathbb{Z} \times \mathbb{Z}_2  X_{\mathrm{BS}}$	$=\mathbb{Z}_2$ $\operatorname{SI}=z'_{2P}$	
$\mathbb{Z}_2$	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	$(0\bar{2}0)$	0	1	0	1			
1	(000)	1	0	1	1			
F77		57	$\frac{.386 P_a b}{.001}$	bcm Classifi		$\mathbb{Z}_M  X_{BS} =$	$\mathbb{Z}_2$ SI = $z'_{2P}$	
$\mathbb{Z}_2$	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	$(\bar{2}00)$	1	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
1	$(\bar{1}00)$	1	0	0	1	0	1100	

		57	7 387 Prh	m Classit	fication = 7	Z <sub>M</sub> X <sub>DC</sub> :	$=\mathbb{Z}_2  \mathrm{SI}=z_{2P}'$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 0\frac{1}{2}0\}*$	$\frac{2^{010}_{00\frac{1}{2}}*}{2^{00\frac{1}{2}}}$	$\frac{2^{100}_{0\frac{1}{2}0}}{2^{100}_{0\frac{1}{2}0}}$	$\frac{i_{0\frac{1}{2}0}*}{i_{0\frac{1}{2}0}}$	$\frac{2_{M}}{2_{0\frac{1}{2}\frac{1}{2}}^{001}}*$	$\frac{-  \mathbb{Z}_2   \mathbb{S}_1 -  \mathbb{Z}_2 p}{C m_{(2)}^{001}}$	
0	(002)	1	$\frac{-00\frac{1}{2}}{0}$	$\frac{-0\frac{1}{2}0}{0}$	$\frac{0}{2}$	$\frac{-0\frac{1}{2}\frac{1}{2}}{0}$	$\frac{2\overline{200}}{2\overline{200}}$	
0	(002)	0	0	0	0	0	$\frac{2\overline{200}}{2\overline{200}}$	
1	(001)	1	1	0	0	1	$\frac{1\overline{1}00}{100}$	
	/ /	57	$7.388 P_c be$	m Classi	fication = 2	Z <sub>M</sub> X <sub>DC</sub> :	$=\mathbb{Z}_2$ $\mathrm{SI}=z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{2^{100}_{0\frac{1}{2}\frac{1}{2}}}{2^{100}_{0\frac{1}{2}\frac{1}{2}}}$	2 <sup>001</sup> *	$\frac{i_{00\frac{1}{2}}*}{i_{00\frac{1}{2}}}$	$\frac{2^{M}}{2^{010}_{0\frac{1}{2}\frac{1}{2}}}$	$\frac{22}{Cm_{(2)}^{001}}$	
0	$(0\bar{2}0)$	1	0 2 2	0	$\frac{00\frac{1}{2}}{0}$	0 = =	$\frac{2\overline{200}}{200}$	
0	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$	
1	$(0\overline{1}0)$	1	1	1	0	0	$1\overline{1}00$	
	•	57	$P_{Ab}$	cm Classi	fication = 1	$\mathbb{Z}_M$ $X_{\mathrm{BS}}$	$=\mathbb{Z}_2$ $\mathrm{SI}=z_{2P}'$	
$\mathbb{Z}_2$	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	(220)	1	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
1	(110)	1	1	0	0	1	$1\overline{1}00$	
			$7.390 P_B b$	cm Classi		$\mathbb{Z}_M$ $X_{BS}$	$=\mathbb{Z}_2  \mathrm{SI}=z_{2P}'$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$i_{\frac{1}{2}0\frac{1}{2}}*$	$2^{001}_{\frac{1}{2}00}*$	$Cm_{(2)}^{001}$	
0	(220)	1	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	$2\overline{2}00$	
1	(110)	1	0	1	0	1	1100	
			$rac{7.391}{2.001} P_C b$		fication = 1		$=\mathbb{Z}_2$ $\operatorname{SI}=z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2^{100}_{0\frac{1}{2}0}$	$Cm_{(2)}^{001}$	
0	$(\bar{2}\bar{2}0)$	1	0	0	0	0	$2\overline{2}00$	
0	$(000)$ $(\overline{110})$	0	$\frac{0}{1}$	$\frac{0}{1}$	0	0	$\frac{2\overline{2}00}{1\overline{1}00}$	
1	(110)	1						
$\mathbb{Z}_2$	weak		$\frac{7.392  P_I be}{2001}$		fication = 2		$= \mathbb{Z}_2  \text{SI} = z'_{2P}$	
-		$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{\frac{1}{2}00}*$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}0}$	$Cm_{(2)}^{001}$	
0	(222)	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$	
1	(111)	1	1	1	0	0	$\frac{2200}{1\overline{1}00}$	
	()		3.393 <i>Pnr</i>	m Classi	fication = 2	Z <sub>M</sub> X <sub>DC</sub> :	$=\mathbb{Z}_2$ SI $=z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	2001	$2^{010}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\frac{i}{i}$	$\frac{2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{\frac{1}{2}\frac{1}{2}}}$	$\frac{Z_{M}}{Cm_{(2)}^{001}}$	$-\omega_2$ or $\omega_2 p$	
0	(000)	0	$\frac{\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	0	$\frac{\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$2\overline{200}$		
0	(000)	0	0	0	0	$\frac{2200}{200}$		
1	(000)	0	0	1	0	1100		
	•	58.397	Pn'n'm C	lassification	$\mathbf{n} = \mathbb{Z}_M \times \mathbb{Z}_M$	$\mathbb{Z}$ $X_{BS} =$	$\mathbb{Z}_{2,2}$ SI = $z_{2m,0}^+, z_{2m,\pi}^+$	
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{001}$	$2^{010}_{\frac{1}{2},\frac{1}{2},\frac{1}{2}}*$	i	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$Cm_{(2)}^{001}$	2110,0 2110,11	
00	(000)	0	$0^{\frac{2}{2}\frac{2}{2}}$	0	0	$2\overline{200}$		
00	(004)	0	0	0	0	4022		
00	(000)	0	0	0	0	$2\overline{2}00$		
01	(002)	0	0	1	0	2011		
10	(000)	0	1 1	1	1	$1\overline{1}00$		
11	(002)	0	1 00 Parts	0	1 77	3 <u>1</u> 11	77 CT /	
$\overline{\mathbb{Z}_2}$	weak	$58.3$ $2^{001}*$		$\frac{n'  \text{Classift}}{i}$	$\frac{\text{cation} = \mathbb{Z}}{2^{100}}$	$_{1}$ × $\mathbb{Z}_{2}$ $_{1}$ $_{2}$	$z_{\mathrm{S}} = \mathbb{Z}_2  \mathrm{SI} = z'_{2P}$	
			$2^{010}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$		$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$			
0	$(000)$ $(\bar{2}00)$	0	0 1	0	$\frac{0}{1}$			
1	(000)	1	1	1	0			
	1 (000)			nm Classi		$\mathbb{Z}_{M}$ $\mathbb{X}_{\mathbb{R}^{2}}$	$=\mathbb{Z}_2$ SI $=z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\frac{36}{\{1 \frac{1}{2}00\}*}$	$\frac{2^{010}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{\frac{1}{2}\frac{1}{2}}}$	$\frac{2^{100}}{2^{100}} *$	$\frac{i_{\frac{1}{2}00}*}{}$	$\frac{z_M}{2_{\frac{1}{2}00}^{001}*}$	$\frac{-  \mathbb{Z}_2  \text{S1} -  \mathbb{Z}_{2P}}{Cm_{(2)}^{001}}$	
0	(020)	1	$\frac{2\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{2_{0\frac{1}{2}\frac{1}{2}}}{0}$	$\frac{v_{\frac{1}{2}00}}{0}$	$\frac{-\frac{1}{2}00}{0}$	$\frac{2700}{200}$	
	(020)	1	<u> </u>	<u> </u>	0	0	2200	

0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(010)	1	0	1	0	1	$\frac{2200}{1\overline{1}00}$		
	(010)					77 V			
	1		$\frac{.401 P_c n}{2^{001}}$			$\mathbb{Z}_M$ $X_{BS} =$		$z_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$		$2^{010}_{\frac{1}{2}\frac{1}{2}0}*$	i	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	$Cm_{(2)}^{001}$		
0	$(00\bar{2})$	1	0	0	0	0	$2\overline{2}00$		
	(000)	0	0	0	0	0	$2\overline{2}00$		
1	$(00\bar{1})$	1	0	1	1	1	$1\overline{1}00$		
				nm Classi		$\mathbb{Z}_M$ $X_{\mathrm{BS}} =$	$=\mathbb{Z}_2$ $\mathrm{SI}=$	$=z_{2P}^{\prime}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}_{0\frac{1}{2}0}*$	$2^{100}_{0\frac{1}{2}0}*$	i	$2^{001}$	$Cm_{(2)}^{001}$		
0	$(\bar{2}\bar{2}0)$	1	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	$(\bar{1}\bar{1}0)$	1	1	1	1	0	$1\overline{1}00$		
		58.	$403 P_{C}r$	nnm Classi	fication =	$\mathbb{Z}_M$ $\mathbb{X}_{\mathrm{BS}}$ =	$=\mathbb{Z}_2$ SI $=$	$=z_{2P}^{\prime}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}$	$2^{010}_{00\frac{1}{2}}*$	i	$2^{100}_{00\frac{1}{2}}*$	$Cm_{(2)}^{001}$		
0	(220)	1	0	0	0	0	$2\overline{200}$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(110)	1	0	1	1	1	$1\overline{1}00$		
		58	$\frac{1}{404}$ $P_I n$	nm Classif	fication =	: Z <sub>M</sub> X <sub>DC</sub> =	$=\mathbb{Z}_2$ SI $=$	z' <sub>o.D.</sub>	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{2001}{}$	2 <sup>010</sup> *	$\frac{i}{i}$	$\frac{2^{100}}{2^{100}}$ *	$Cm_{(2)}^{001}$	~2P	
0	(222)	1	0	0	0	0	$\frac{2\overline{200}}{200}$		
0	(000)	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$		
1	(111)	1	0	1	1	1	$\frac{1100}{1}$		
	(111)		.405 Pm		fication =		$=\mathbb{Z}_2$ SI $=$	~′	
$\overline{\mathbb{Z}_2}$	weak		$\frac{.400 Pm}{.010}$	$\frac{imn  \text{Classif}}{i}$	$\frac{110011}{200}$	$\frac{\mathbb{Z}_M  \mathbf{A}_{BS}}{C_m^{100}}$	$\frac{= \mathbb{Z}_2  S1 = }{Cm^{010}}$	$z_{2P}$	
		$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{0\frac{1}{2}0}$		$2^{100}_{\frac{1}{2}00}$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$		
0	(000)	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$		
0	(000)	0	0	0	0	$2\overline{2}00$	0000		
0	(000)	0	0	0	0	$\frac{0000}{1\overline{1}00}$	$2\overline{2}00$		
1	(000)	0		1	0		1100		
	1	59.409	Pm'm'n		$on = \mathbb{Z} \times \frac{100}{2}$	$\mathbb{Z}_2  X_{BS} =$	$\mathbb{Z}_{2,2}$ SI =	$z_{2P,3}, z_{2P}'$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{rac{1}{2}rac{1}{2}0}$	$2^{010}_{0\frac{1}{2}0}*$	i	$2^{100}_{\frac{1}{2}00}*$				
00	$(00\bar{2})$	0	0	0	0				
00	(000)	0	0	0	0				
01	(000)	0	1	1	1				
10	(001)	0	0	0	0				
11	$(00\bar{1})$	0	1	<u> </u>	1				
		59.41		n' Classific	$\arctan = \frac{1}{2}$	$\frac{\mathbb{Z}_M \times \mathbb{Z} \times \mathbb{X}_B}{Cm_{(2)}^{100}}$	$_{\mathrm{S}}=\mathbb{Z}_{2}$ $\mathrm{SI}$	$I=z_{2P}^{\prime}$	
$\mathbb{Z}_2$	weak	$2^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{0\frac{1}{2}0}*$	i	$2^{100}_{\frac{1}{2}00}$	$Cm_{(2)}^{100}$			
0	(000)	0	0	0	0	$2\overline{2}00$			
0	$(\bar{2}00)$	1	0	0	Ī	2011		<u> </u>	
0	(000)	0	0	0	0	$2\overline{2}00$			
1	(000)	1	1	1	0	$1\overline{1}00$			
		59.	$412 P_b m$	nmn Classi	fication =	$\mathbb{Z}_M^2$ $\mathrm{X}_{\mathrm{BS}}=$	$=\mathbb{Z}_2$ 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	(020)	1	0	0	0	0	$\overline{2\overline{2}00}$	$\overline{2\overline{2}00}$	
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	(010)	1	0	1	0	1	$1\overline{1}00$	$1\overline{1}00$	
	· · · · · · · · · · · · · · · · · · ·	59.	$413 P_c m$	nmn Classi	fication =	$\mathbb{Z}^2_M$ $X_{\mathrm{BS}} =$	$=\mathbb{Z}_2$ SI $=$	= z' <sub>2P</sub>	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{2^{001}_{\frac{1}{2}\frac{1}{2}0}}{2^{001}_{\frac{1}{2}\frac{1}{2}0}}$	$2^{010}_{0\frac{1}{2}0}$	i	$\frac{{M}}{2_{\frac{1}{2}00}^{100}}$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	
0	$(00\bar{2})$	1	$\frac{1}{2}\frac{1}{2}0$	0 20	0	$\frac{1}{2}00$	$\frac{2\overline{200}}{2\overline{200}}$	$\frac{2\overline{200}}{2\overline{200}}$	
0	(002)	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$	0000	
	( , , , ,								

0	(000)	0	0	0	0	0	0000	$2\overline{2}00$	
1	$(00\overline{1})$	1	0	0	1	0	1100	1100	
		59.4	$\frac{1}{414}$ $P_Bm$	mn Class	ification =	$\mathbb{Z}^2_M$ $X_{BS}$	$=\mathbb{Z}_2$ SI $=$	$z'_{2D}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}_{\frac{1}{2},\frac{1}{2},\frac{1}{2}}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$i_{\frac{1}{2}0\frac{1}{2}}*$	$\frac{2^{100}}{2^{00\frac{1}{2}}}*$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{100}$	
0	$(\bar{2}\bar{2}0)$	1	0	0	0	0	$2\overline{200}$	$\frac{2\overline{200}}{200}$	
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	$(\bar{1}\bar{1}0)$	1	1	0	0	1	$1\overline{1}00$	$1\overline{1}00$	
			$415 P_{Cm}$	mn Class	ification =	$\mathbb{Z}_M^2$ X <sub>BS</sub>	$= \mathbb{Z}_2  SI =$	$z_{2P}^{\prime}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}00}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2^{100}_{0\frac{1}{2}0}*$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{100}$	
0	(220)	1	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	(110)	1	0	1	0	1	$1\overline{1}00$	$1\overline{1}00$	
	-		$416 P_I m$	mn Classi		$\mathbb{Z}_M^2$ $X_{\mathrm{BS}}$	$=\mathbb{Z}_2$ SI $=$	$z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{100}$	
0	(222)	1	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	$\frac{0}{1}$	0	0	0000	$\frac{2\overline{2}00}{1\overline{1}00}$	
1	(111)	1	1				1 <u>1</u> 00	1100	
	1-		0.417 Pb		ication =	$\mathbb{Z}_2  X_{BS} =$	$\mathbb{Z}_2$ SI = $z$	2 <i>P</i>	
$\mathbb{Z}_2$	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		FT 07		
	1	60.4			$\operatorname{cation} = \mathbb{Z}$	$\times \mathbb{Z}_2$ $X_{BS}$	$=\mathbb{Z}_2$ 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	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$				
0	(000)	0	0	0	0				
$\frac{0}{1}$	(002)	0	1 1	0 1	0				
	(000)					77 V	77 OT		
$\overline{\mathbb{Z}_2}$	weak	60.4		$\frac{v - \text{Classing}}{i}$	$\frac{\text{cation} = \mathbb{Z}}{2^{100}}$	$\times \mathbb{Z}_2  X_{BS}$	$= \mathbb{Z}_2$ S1 =	$=z_{2P}^{\prime}$	
		$2^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{010}_{00\frac{1}{2}}*$		$2^{100}_{\frac{1}{2}\frac{1}{2}0}$				
0	(000)	0	0	0	0				
1	(000)	1	1	1	0				
	(000)			lassification		V _ 7	$_{2,2}$ SI = $z_2'$	~	
$\overline{\mathbb{Z}_{2,2}}$	weak	$\begin{array}{c} 00.424 \\ 2\frac{1}{2}\frac{1}{2}\frac{1}{2}* \end{array}$	$\frac{2^{010}_{00\frac{1}{2}}}{2^{00\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{1 - 2 \times 2}{2^{100}_{\frac{1}{2} \frac{1}{2} 0}} *$	$\Lambda_{\rm BS}=\mathbb{Z}_2$	$z_{,2}$ $z_{1} - z_{2}$	$P, \sim 2,60.242$	
$\frac{222,2}{00}$	(040)	$\frac{2\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{2_{00\frac{1}{2}}}{0}$	0	$\frac{\frac{2\frac{1}{2}\frac{1}{2}0}{0}}{0}$				
00	(040) $(040)$	0	0	0	0				
01	$(0\bar{2}0)$	1	0	0	1				
10	(020)	0	0	1	0				
11	(000)	1	0	1	1				
		60	$0.426 P_a b$	bcn Classi	fication =	$\mathbb{Z}_2$ $X_{BS} =$	$\mathbb{Z}_2$ SI = $z$	,/ '2 P	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}00\}*$	$\frac{2^{010}_{\frac{1}{2}0^{\frac{1}{2}}}}{2^{010}_{\frac{1}{2}}}$	$2^{100}_{0\frac{1}{2}0}*$	$i_{\frac{1}{2}00}*$	$\begin{array}{c} -2 & -355 \\ \hline 2001 \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{array}$		41	
0	$(0\bar{2}0)$	1	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	0	0	$\frac{\overline{2} \overline{2} \overline{2}}{0}$			
1	$(0\bar{1}0)$	1	1	1	0	0			
	/	60	$0.427 P_b l$	ocn Classit	fication =	$\mathbb{Z}_2$ $X_{RS} =$	$\mathbb{Z}_2$ SI = $z$	./ '2.D	
$\mathbb{Z}_2$	weak	$\{1 0\frac{1}{2}0\}*$	$\frac{2^{100}}{2^{100}_{\frac{1}{2}00}}*$	$\frac{2^{001}}{2^{01}} *$	$\frac{i}{i}$	$\frac{2^{010}_{00\frac{1}{2}}}{2^{000}_{00\frac{1}{2}}}$	~~~~	4F	
0	$(\bar{2}00)$	1	$\frac{\frac{1}{2}00}{0}$	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	0	$00\frac{1}{2}$			
1	$(\bar{1}00)$	1	1	1	1	0			
	1 \ /	60	$0.428$ $P_{c}l$	bcn Classif	fication =	$\mathbb{Z}_2$ $X_{BS} =$	$\mathbb{Z}_2$ SI = $z$	,/ 22.D	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	$\frac{2^{001}_{\frac{1}{2}\frac{1}{2}0}*}{2^{001}_{\frac{1}{2}\frac{1}{2}0}}$	$i_{00\frac{1}{2}}*$	$\frac{22}{2_{00\frac{1}{2}}^{010}}$	-2 ~- ~	4F	
		( 1 2)	2 2 2	<u>2</u> 2 U	50 <u>7</u>	υυ <u>-</u>			

0	(020)	1	0	0	0	0			
1	(010)	1	1	1	0	0			
		6	$0.429 P_{A}$	bcn Classi	fication =	$\mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$		_
$\mathbb{Z}_2$	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	$2^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$i_{0\frac{1}{2}\frac{1}{2}}*$	$2^{010}_{00\frac{1}{2}}$	21		
0	$(\bar{2}\bar{2}0)$	1	0	0	0	0			
1	$(\overline{1}\overline{1}0)$	1	0	0	0	0			
		6	$0.430 P_{B}$	bcn Classi	fication =	$\mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$		_
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}_{00\frac{1}{2}}$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	$i_{\frac{1}{2}0\frac{1}{2}}*$	$2^{001}_{0\frac{1}{2}0}*$	21		
0	$(\bar{2}\bar{2}0)$	1	0	0	0	0			
1	$(\overline{1}\overline{1}0)$	1	0	1	0	1			
		6	$0.431 P_{C}$	bcn Classi	fication =	$\mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$		
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{00\frac{1}{2}}*$	$2^{010}_{00\frac{1}{2}}$	i	$2^{100}*$			
0	$(\bar{2}\bar{2}0)$	1	0	0	0	0			
1	$(\overline{1}\overline{1}0)$	1	1	0	1	1			
		6	$0.432 P_{I}$	bcn Classit	fication =		$SI = z'_{2P}$		_
$\mathbb{Z}_2$	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	(222)	1	0	0	0	0			
1	(111)	1	1	0	1	1			
			61.433 Pl	oca Classif	ication =	$\overline{\mathbb{Z}_2}  X_{\mathrm{BS}} = \overline{\mathbb{Z}_2}$	$SI = z'_{2P}$	·	_
$\mathbb{Z}_2$	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				
1	(000)	0	0	1	0				
			Pb'c'	a Classific	$ation = \mathbb{Z}$	$\times \mathbb{Z}_2  X_{BS} =$	$\mathbb{Z}_2$ 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				
				bca Classif		$\mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$		
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}00\}*$	$2^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{010}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$i_{\frac{1}{2}00}*$	$2^{100}_{0\frac{1}{2}0}*$			
0	$(\bar{2}00)$	1	0	0	0	0			
1	$(\bar{1}00)$	1	0	1	0	1	~- /		
	1	6	$\frac{1.439}{2001} P_C$	bca Classi:	$\frac{\text{fication}}{\cdot} =$	$\mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$		
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	- 4 4		i	2 <sup>100</sup> *			
	$(\bar{2}\bar{2}0)$	1	0	0	0	0			
1	$(\bar{1}\bar{1}0)$	1	1	0	1	1	CT.		_
	w-0.01_		$\frac{1.440 P_I}{2010}$	$\frac{bca}{2001}$ Classif		$\mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$	$S1 = z'_{2P}$		
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{010}_{\frac{1}{2}00}*$	$2^{001}_{0\frac{1}{2}0}*$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{00\frac{1}{2}}*$			
$\frac{0}{1}$	(222) (111)	1	0	0	0	0			
1	(111)					77 V 77	CT/		—
$\overline{\mathbb{Z}_2}$	weak		$\frac{2.441 Pn}{2^{010}}$	$\frac{ma}{i}$ Classif	$\frac{100}{2^{100}}$	$\frac{\mathbb{Z}_M  \mathbf{X}_{\mathrm{BS}} = \mathbb{Z}}{Cm_{(2)}^{010}}$	$z_{2}$ $s_{1} = z_{2P}$		
		$\begin{array}{c} 2^{001}_{\frac{1}{2}0\frac{1}{2}} \\ 0 \end{array}$	$2^{010}_{0\frac{1}{2}0}$		$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\frac{2\overline{2}00}{2\overline{2}00}$			
$\frac{0}{0}$	(000)	0	0	0	$\frac{0}{0}$	$\frac{2200}{2\overline{2}00}$			
$\frac{0}{1}$	(000)	0	0	1	0	$\frac{2200}{1\overline{1}00}$			
	(500)		$\frac{6}{46 Pn'm}$			$\mathbb{Z} \times \mathbb{Z}_2  X_{BS} =$	$\mathbb{Z}_0$ SI $- \gamma'$		=
$\overline{\mathbb{Z}_2}$	weak	$\begin{array}{c c}  & 02.4 \\ 2001 \\ \frac{1}{2}0\frac{1}{2} \end{array}$	$\frac{2010}{20\frac{1}{2}0}*$	$\frac{a}{i}$	$\frac{2^{100} - 2}{2^{\frac{1}{2} \frac{1}{2} \frac{1}{2}}} *$	2 ^ 22 ABS —	$\omega_2$ or $-z_{2P}$		—
0	(000)	$\frac{2\frac{1}{2}0\frac{1}{2}}{0}$	$\frac{-0\frac{1}{2}0}{0}$	0	$\frac{2\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$				
0	$(000)$ $(00\bar{2})$	$\frac{0}{1}$	0	0	1				
1	(000)	0	1	1	1				
		62.4	47  Pnm'	a' Classific		$\mathbb{Z} \times \mathbb{Z}_2  X_{BS} =$	$\mathbb{Z}_2$ SI = $z'_{2D}$		—
-		ÿ <b>2.</b> 1				-2 100	2 ~- ~2P		

	1	2001	2010		0100				
$\mathbb{Z}_2$	weak	$2^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{010}_{0\frac{1}{2}0}*$	i	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$				
0	(000)	0	0	0	0				
0	(200)	1	0	0	1				
1	(000)	1	1	1	0				
		62.44		a' Classific	$\operatorname{cation} = \mathbb{Z}_1$	$M \times \mathbb{Z} - X_{\mathrm{B}}$	$_{\mathrm{SS}} = \mathbb{Z}_2$ SI	$=z'_{2P}$	
$\mathbb{Z}_2$	weak	$2^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{010}_{0\frac{1}{2}0}$	i	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$Cm_{(2)}^{010}$			
0	(000)	0	0	0	0	$\overline{2\overline{2}00}$			
0	$(0\overline{2}0)$	0	Ī	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 =	$\mathbb{Z}_M$ $X_{\mathrm{BS}}$ :	$= \mathbb{Z}_2$ SI $=$	$z'_{2D}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}00\}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	$2^{010}_{\frac{1}{2}\frac{1}{2}0}*$	$i_{\frac{1}{2}00}*$	$\frac{2^{001}_{\frac{1}{2}0^{\frac{1}{2}}}$	$Cm_{(2)}^{010}$	2F	
0	$(00\bar{2})$	1	$\frac{0\frac{1}{2}\frac{1}{2}}{0}$	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{1}{2}00$	$0^{\frac{1}{2}0\frac{1}{2}}$	$\frac{2\overline{200}}{2\overline{200}}$		
0	(002)	0	0	0	0	0	$\frac{2\overline{200}}{2\overline{200}}$		
1	(000) $(001)$	1	1	1	0	0	$\frac{2200}{1\overline{1}00}$		
	(001)							./	
77	**** 1*		$\frac{.451 P_b n}{2^{010}*}$	ma Classi		$\frac{Z_M}{2100}$	$=\mathbb{Z}_2$ SI $=$	$z_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 0\frac{1}{2}0\}*$		$2^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$i_{0\frac{1}{2}0}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$Cm_{(2)}^{010}$		
0	$(00\bar{2})$	1	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	$(00\bar{1})$	1	1	1	0	0	$1\overline{1}00$		
			$.452  P_c n$	ma Classi	fication =	$\mathbb{Z}_M$ X <sub>BS</sub> =	$=\mathbb{Z}_2$ $SI=$	$z_{2P}'$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$i_{00\frac{1}{2}}*$	$2^{001}_{\frac{1}{2}00}*$	$Cm_{(2)}^{010}$		
0	$(\bar{2}00)$	1	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	$(\bar{1}00)$	1	1	0	0	1	$1\overline{1}00$		
		62.	$A53 P_A n$	ma Classi	fication =	$\mathbb{Z}_M$ X <sub>RS</sub> :	$=\mathbb{Z}_2$ SI $=$	$z'_{2D}$	
$\mathbb{Z}_2$	weak	$\{1 0\frac{1}{2}\frac{1}{2}\}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$2^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$i_{0\frac{1}{2}\frac{1}{2}}*$	$\frac{2^{010}_{00\frac{1}{2}}*}{2^{00\frac{1}{2}}}$	$Cm_{(2)}^{010}$	2F	
0	$(\bar{2}\bar{2}0)$	1	$\frac{\bar{2}  \bar{2}  \bar{2}}{0}$	$\frac{\bar{2}\bar{2}0}{0}$	$\frac{0}{2}$	00 2	$\frac{2\overline{200}}{200}$		
0	(000)	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$		
1	$(\bar{1}\bar{1}0)$	1	0	1	0	1	$\frac{1100}{1}$		
===	(110)			ma Classi				- ~'	
$\overline{\mathbb{Z}_2}$	weak		$\frac{404 FB10}{2010}$	$\frac{ma}{2^{100}}$	$\frac{i}{i}$	$\frac{\omega_M}{2^{001}}$ *	$=\mathbb{Z}_2$ SI =	$z_{2P}$	
		$\{1 \frac{1}{2}0\frac{1}{2}\}*$	$2^{010}_{0\frac{1}{2}0}$	$2^{100}_{0\frac{1}{2}0}*$			$Cm_{(2)}^{010}$		
0	$(\bar{2}\bar{2}0)$	1	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	$(\bar{1}\bar{1}0)$	1	0	1	1	1	$1\overline{1}00$		
		62.	$\frac{455}{2001} P_{C} n$	ma Classi		$\mathbb{Z}_M$ $X_{\mathrm{BS}}$	$=\mathbb{Z}_2$ SI =	$z_{2P}^{\prime}$	
$\mathbb{Z}_2$	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	(220)	1	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(110)	1	1	0	0	1	$1\overline{1}00$		
		62	$.456 P_{I}n$	ma Classi	fication =	$\mathbb{Z}_M$ X <sub>BS</sub> :	$= \mathbb{Z}_2  SI =$	$z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}_{0\frac{1}{2}0}*$	$2^{010}_{0\frac{1}{2}0}$	i	2 <sup>100</sup> *	$Cm_{(2)}^{010}$	<del></del>	
0	(222)	1	0	0	0	0	$2\overline{200}$		
0	(000)	0	0	0	0	0	$\frac{2200}{200}$		
1	(111)	1	1	0	1	1	$1\overline{1}00$		
	/	63	.457 <i>Cm</i>	cm Classi		$\mathbb{Z}_{M}^{2}$ Xpc =		$z'_{0D}$	
$\overline{\mathbb{Z}_2}$	weak	$2_{00\frac{1}{2}}^{001}$	$\frac{2^{010}_{00\frac{1}{2}}}{2^{00\frac{1}{2}}}$	<i>i</i>	2100	$\frac{\mathbb{Z}_M^2}{Cm_{(2)}^{001}}$	$Cm_{\odot}^{100}$	~2P	
$\frac{2}{0}$	(000)	$\frac{2_{00\frac{1}{2}}}{0}$	$\frac{2_{00\frac{1}{2}}}{0}$	0	0	$\frac{2\overline{200}}{200}$	$\frac{2\overline{2}}{2\overline{2}}$		
$\frac{0}{0}$	(000)	0	0	0	0	$\frac{2200}{2\overline{2}00}$	00		
$\frac{0}{0}$	(000)	0	0	0	0	0000	$\frac{00}{2\overline{2}}$		
$\frac{0}{1}$	(000)	0	0	1	0	$\frac{0000}{1\overline{1}00}$	$\frac{22}{1\overline{1}}$		
1	(000)	U	U	1	U	1100	11		

		CO 40	en <i>C</i> . / /		notic [77	V F77 37	77 01	r ./	
$\overline{\mathbb{Z}_2}$	weak		$\frac{02  Cm'c'}{2010}$	$\frac{m}{i}$ Classific	$\frac{\text{cation} = \mathbb{Z}}{2^{100}*}$	$\frac{M \times \mathbb{Z}  X}{C_{m}^{001}}$	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ S	$z = z_{2P}$	
		$2_{00\frac{1}{2}}^{001}$	$2^{010}_{00\frac{1}{2}}*$			$Cm_{(2)}^{001}$			
0	(000)	0	0	0	0	$\frac{2\overline{2}00}{2011}$			
$\frac{0}{0}$	$(00\bar{2})$ $(000)$	0	$\frac{1}{0}$	0	0	$\frac{2011}{2\overline{2}00}$			
1	(000)	0	1	1	1	$\frac{2200}{1\overline{1}00}$			
	(000)						<i>[77</i> OT	,	
	**** 1.		$\frac{Cmc'm'}{2010}$	i	$\frac{\text{on} = \mathbb{Z}_M \times 2^{100}}{2^{100}}$	$\frac{\angle X_{BS}}{C_{ma}100}$	$=\mathbb{Z}_{2,2}$ SI =	$=z_{2P,2},z_{2P}$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{00\frac{1}{2}}*$	$2^{010}_{00\frac{1}{2}}*$			$Cm_{(2)}^{100}$			
00	$(\bar{2}20)$	0	0	0	0	$\frac{22}{2\overline{2}}$			
00	(000)	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$			
01	(000)	0	1	1	0	$\frac{22}{1\overline{1}}$			
10	$(\bar{1}10)$	0	0	0	0	11			
11	$(\bar{1}10)$	1	1	1	0	20			
	(110)	63.464	Cm'cm'				$=\mathbb{Z}_{2,2}$ SI $=$	- ~- ~ ~'	
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{001}_{00\frac{1}{2}}*$	2010	i	$\frac{100}{2^{100}}$ *	$\omega_2$ $\Lambda_{\rm BS}$ =	$- \omega_{2,2}  \mathfrak{I} =$	$\sim$ 2 $P$ ,2, $\sim$ 2 $P$	
$\frac{222,2}{00}$	(220)	$\frac{^{2}00\frac{1}{2}^{*}}{0}$	$\frac{^{2}00\frac{1}{2}}{0}$	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				
· ·	1 \ 1/					$\mathbb{Z}^2$ $\mathbb{X}_{\mathbb{R}^2}$	$=\mathbb{Z}_2$ SI =	= 2/2 D	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{2^{001}*}{}$	2 <sup>010</sup> *	$\frac{i}{i}$	$\frac{Z_M}{2^{100}}$	$\frac{-22}{Cm_{(2)}^{001}}$	$\frac{-z_{2}p}{Cm_{(2)}^{100}}$	
0	$(00\overline{2})$	1	0	0	0	0	$\frac{2\overline{200}}{2\overline{200}}$	$\frac{2\overline{2}}{2\overline{2}}$	
0	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$	00	
0	(000)	0	0	0	0	0	0000	$\frac{\overline{22}}{2}$	
1	$(00\bar{1})$	1	1	1	1	0	$1\overline{1}00$	11	
	/	63	$.467  C_a n$	ncm Classi	ification =	$\mathbb{Z}^2_{\mathrm{M}}$ X <sub>BS</sub>	$=\mathbb{Z}_2$ SI =	$= z'_{0,D}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{2^{010}_{00\frac{1}{2}}}{2^{00\frac{1}{2}}}$	2 <sup>100</sup>	i	$\frac{{M}}{2_{00\frac{1}{2}}^{001}}$	$Cm_{(2)}^{001}$	$Cm_{(2)}^{100}$	
0	(022)	1	00 =	0	0	00 -	$\frac{2\overline{200}}{200}$	$\frac{2\overline{2}}{2\overline{2}}$	
0	(000)	0	0	0	0	0	$\frac{2200}{200}$	00	
0	(000)	0	0	0	0	0	0000	$2\overline{2}$	
1	(011)	1	0	0	1	0	1100	11	
		63.	.468 CAT	ncm Class	ification =	$\mathbb{Z}^2_M$ X <sub>BS</sub>	$S = \mathbb{Z}_2$ SI =	$= z'_{2D}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{2_{0\frac{1}{2}0}^{001}}{2_{0\frac{1}{2}0}^{001}}*$	$\frac{2^{100}_{0\frac{1}{2}\frac{1}{2}}}{2^{100}_{0\frac{1}{2}\frac{1}{2}}}$	$i_{0\frac{1}{2}\frac{1}{2}}*$	$\frac{2_{M}^{010}}{2_{00\frac{1}{2}}^{010}}$	$Cm_{(2)}^{001}$	$Cm_{(2)}^{100}$	
0	(022)	1	$0^{\frac{0}{2}0}$	$0^{\frac{1}{2}\frac{1}{2}}$	$\frac{0  \overline{2}  \overline{2}}{0}$	00 ½	$\frac{2\overline{200}}{2\overline{200}}$	$\frac{2\overline{2}}{2\overline{2}}$	
0	(000)	0	0	0	0	0	$\frac{2200}{200}$	00	
0	(000)	0	0	0	0	0	0000	$2\overline{2}$	
1	(011)	1	1	1	0	0	$1\overline{1}00$	$1\overline{1}$	
		64	4.469 $Cn$	nca Classif	ication = 2	$\mathbb{Z}_M$ $X_{\mathrm{BS}}$	$= \mathbb{Z}_2  SI =$	$z'_{2P}$	
$\mathbb{Z}_2$	weak	$2^{001}_{0\frac{1}{2}\frac{1}{2}}$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}$	i	$2^{100}$	$Cm_{(2)}^{100}$		21	
0	(000)	$0^{\frac{1}{2}\frac{1}{2}}$	$0^{\frac{0}{2}\frac{7}{2}}$	0	0	$\frac{2\overline{2}}{2\overline{2}}$			
0	(000)	0	0	0	0	$\frac{2\overline{2}}{2}$			
1	(000)	0	0	1	0	11			
	/	64.4	74 <i>Cm'</i> c	'a Classific	$cation = \mathbb{Z}$	$\times \mathbb{Z}_2$ $X_{T}$	$_{\mathrm{SS}}=\mathbb{Z}_{2}$ SI	$=z'_{2D}$	
$\mathbb{Z}_2$	weak	$2_{0\frac{1}{2}\frac{1}{2}}^{001}$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$	i	$2^{100}*$	<u>~</u> -1	=	ΔΓ	
0	(000)	$0\frac{1}{2}\frac{1}{2}$	$0^{\frac{1}{2}\frac{1}{2}}$	0	0				
0	(002)	1	1	0	0				
1	(000)	0	1	1	1				
	/	64.475	Cmc'a'	Classification	$\mathbf{n} = \mathbb{Z}_M \times$	Z XBC =	$=\mathbb{Z}_{2,2}$ SI $=$	= Z2P2, Z'D	
$\overline{\mathbb{Z}_{2,2}}$	weak	$2^{001}_{0\frac{1}{2}\frac{1}{2}}*$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$	i	$2^{100}$	$Cm_{(2)}^{100}$	-2,2	21,2) 21	

	(200)								
00	$(2\bar{2}0)$	0	0	0	0	22			
00	(000)	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$			
00	(000)	0	0	0	0	$\frac{2\overline{2}}{1\overline{4}}$			
01	(000)	1	1	1	0	11			
10	$(1\bar{1}0)$	0	0	0	0	11			
11	$(1\bar{1}0)$	1	1	1	0	20			
		64.476	Cm'ca'	Classification		$X_{BS} =$	$\mathbb{Z}_{2,2}$ $\mathrm{SI} =$	$z_{2P,2}, z'_{2P}$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{0\frac{1}{2}\frac{1}{2}}*$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}$	i	$2^{100}*$				
00	(220)	0	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 Classit	$fication = \mathbb{Z}$	M Xrs	$=\mathbb{Z}_2$ SI $=$	$z'_{2D}$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$2^{001}_{0\frac{1}{2}0}*$	$2^{100}_{00\frac{1}{2}}*$	$i_{00\frac{1}{2}}*$	$\frac{2^{010}_{0\frac{1}{2}\frac{1}{2}}}{2^{010}_{0\frac{1}{2}\frac{1}{2}}}$	$Cm_{(2)}^{100}$	21	
0	(002)	1	$\frac{0\frac{1}{2}0}{0}$	$00\frac{1}{2}$	0	$\frac{0\frac{1}{2}\frac{1}{2}}{0}$	$\frac{2\overline{2}}{2\overline{2}}$		
0	(002)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$		
1	(000)	1	1	1	0	0	$\frac{22}{1\overline{1}}$		
	(001)								
			$\frac{.479 C_{a}}{2010}$	mca Classi		$M X_{\rm BS}$	$=\mathbb{Z}_2$ SI $=$	$z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{010}_{00\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}0}*$	$i_{0\frac{1}{2}0}*$	$2_{0\frac{1}{2}\frac{1}{2}}^{001}$	$Cm_{(2)}^{100}$		
0	$(0\bar{2}\bar{2})$	1	0	0	0	0	$2\overline{2}$		
0	(000)	0	0	0	0	0	$2\overline{2}$		
1	$(0\bar{1}\bar{1})$	1	1	1	0	0	$1\overline{1}$		
		64	.480 $C_A$	mca Classi	$fication = \mathbb{Z}$	$Z_M = X_{BS}$	$=\mathbb{Z}_2$ SI $=$	$z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}*$	$2^{010}*$	i	$2^{100}$	$Cm_{(2)}^{100}$		
0	$(0\bar{2}\bar{2})$	1	0	0	0	0	$\frac{\sqrt{2}}{2\overline{2}}$		
0	(000)	0	0	0	0	0	$2\overline{2}$		
1	$(0\overline{1}\overline{1})$	1	1	1	1	0	1 <del>1</del>		
		65.481	Cmmn	a Classifica	$tion = \mathbb{Z}_M^4$	$X_{BS} = Z$	$\mathbb{Z}_{2,4}$ $SI = z$	$z'_{2P,3}, z'_{4P}$	
$\overline{\mathbb{Z}_{2,4}}$	weak	2001	2010	$\frac{i}{i}$	$\frac{2^{100}}{2^{100}}$	$Cm_{(2)}^{010}$	$\frac{-2,4}{Cm_{(2)}^{001}}$	$\frac{Cm_{(2)}^{100}}{Cm_{(2)}^{100}}$	
$\frac{-2,4}{00}$	(000)	0	0	0	0	$\frac{-44}{44}$	$\frac{\overline{2}222\overline{2}}{\overline{2}}$	$\frac{-\frac{1}{4}}{44}$	
00	(000)	0	0	0	0	$\frac{44}{44}$	$\frac{2222}{4\overline{4}00}$	$\frac{44}{44}$	
00	(000)	0	0	0	0	00	$\frac{1400}{2200}$	$\frac{1}{2}$	
00	(000)	0	0	0	0	$\frac{\overline{2}}{2}$	$\frac{22\overline{00}}{\overline{2}2\overline{2}2}$	$\frac{22}{22}$	
00	(000)	0	0	0	0	$\frac{22}{22}$	$\frac{2222}{2200}$	00	
03	(000)	0	0	1	0	$\frac{22}{11}$	$\frac{1100}{1}$	$\frac{\overline{00}}{1\overline{1}}$	
02	(000)	0	0	0	0	$\frac{11}{2\overline{2}}$	$2\overline{2}00$	$\frac{11}{2\overline{2}}$	
01	(000)	0	0	1	0	$\frac{22}{3\overline{3}}$	$\frac{2200}{3\overline{3}00}$	$\frac{22}{3\overline{3}}$	
10	(000)	0	0	0	0	$\frac{\overline{2}}{2}$	1111	$\frac{\overline{2}}{2}$	
13	(000)	0	0	1	0	$\frac{22}{11}$	$001\overline{1}$	$\frac{22}{11}$	
12	(000)	0	0	0	0	00	$\frac{1\overline{1}1\overline{1}}{1}$	00	
11	(000)	0	0	1	0	$\frac{\overline{11}}{1}$	$\frac{2\overline{2}1\overline{1}}{2}$	$\frac{00}{1\overline{1}}$	
-77		$\frac{0.485  Cm  r}{2^{001}}$	$\frac{n m}{2^{010}} $ *	ssification = i	$\frac{\mathbb{Z}_{M} \times \mathbb{Z}}{2^{100}}$ *	$X_{BS} = \mathbb{Z}_2$	$z_{1,2,2}$ $z_1 = z_2$	$z_{m,0}^-, z_{2m,0}^-, z_{2m,\pi}^+$	
$\mathbb{Z}_{2,2,2}$	weak	_				$Cm_{(2)}^{001}$			
000	(002)	0	0	0	0	$\frac{2\overline{4}0\overline{2}}{0202}$			
000	$(00\bar{2})$	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	$(00\bar{1})$	0	$\frac{1}{0}$	1	1	0101			
Δ11			()	0	0	0110			
011	$(00\bar{1})$	0							
$   \begin{array}{r}     011 \\     \hline     100 \\     \hline     101   \end{array} $	(001) (001) (001)	0	0	0	0	$ \begin{array}{r} 1\overline{2}0\overline{1} \\ 1\overline{2}1\overline{2} \end{array} $			

		1								
110	(000)	0	1	1	1	1 <u>1</u> 00				
111	(000)	0	0	0	0	$1\overline{1}1\overline{1}$				
		65.486	Cmm'm'	Classificati	on $= \mathbb{Z}_M$	$\times \mathbb{Z}$ $X_{BS} = Cm_{(2)}^{100}$	$=\mathbb{Z}_{2,2}$ SI =	$=z_{2P,2},z_{2P}'$		
$\mathbb{Z}_{2,2}$	weak	$2^{001}*$	$2^{010}*$	i	$2^{100}$	$\frac{\times \mathbb{Z}  \text{ABS}}{Cm_{(2)}^{100}}$	,	, ==		
00	$(\bar{2}20)$	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	$1\overline{1}$				
10	$(\overline{1}10)$	0	0	0	0	11				
11	$\overline{(\overline{1}10)}$	1	1	1	0	20				
	/	65	$\frac{1}{488}$ $C_c m$	mm Class	ification -	- 7/3 Ypg	$= \mathbb{Z}_4$ SI $=$	~'		
$\overline{\mathbb{Z}_4}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{100 C_c m}{2^{001}}$	$\frac{2^{010}}{2^{010}}$	$\frac{i}{i}$	$\frac{2^{100}}{2^{100}}$	$\frac{-24}{Cm_{(2)}^{010}}$	$\frac{z_{4P}}{Cm_{(2)}^{001}}$	$Cm_{(2)}^{100}$	
$\frac{224}{0}$	(004)	1	0	0	0	0	$\frac{Cm_{(2)}}{4\overline{4}}$	$\frac{6m_{(2)}}{4\overline{4}00}$	$\frac{Cm_{(2)}}{4\overline{4}}$	
-	$(004)$ $(00\bar{2})$							$\frac{4400}{2200}$	$\frac{44}{\overline{2}2}$	
0	$(002)$ $(00\bar{2})$	0	0	0	0	0	$\frac{00}{\overline{2}2}$	0000	$\frac{22}{\overline{2}2}$	
0	$(002)$ $(00\bar{2})$	0	0	0	0	0	$\frac{22}{\overline{2}2}$	$\frac{0000}{2200}$	00	
0	/						$\frac{22}{1\overline{1}}$	$\frac{2200}{1\overline{1}00}$		
3	(001)	1	0	0	1	0	$\frac{11}{2\overline{2}}$	$\frac{1100}{2\overline{2}00}$	$\frac{1\overline{1}}{2\overline{2}}$	
2	(002)	1	0	0	0	0	$\frac{22}{3\overline{3}}$			
1	(003)	1	0		1	0		3300	$3\overline{3}$	
		65.489	$C_a mmm$	n Classifica	$\operatorname{ation} = \mathbb{Z}_I^4$	$X_{BS} = \mathbb{Z}$	$\Sigma_{2,4}$ $SI = z$	$z'_{2P,3}, z'_{4P}$	003	
$\mathbb{Z}_{2,4}$	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	$(\bar{4}\bar{4}0)$	0	0	0	0	0	$\overline{44}$	$\overline{44}$	$\overline{2}22\overline{2}$	
00	(440)	1	0	0	0	0	$4\overline{4}$	$4\overline{4}$	$4\overline{4}00$	
00	$(\bar{2}\bar{2}0)$	0	0	0	0	0	$\overline{2}2$	00	$\overline{2}200$	
00	$(\bar{2}\bar{2}0)$	0	0	0	0	0	00	$\overline{2}2$	$\overline{2}200$	
00	$(\bar{2}\bar{2}0)$	0	0	0	0	0	$\overline{2}2$	$\overline{2}2$	$\overline{2}2\overline{2}2$	
03	(110)	1	0	0	1	0	$1\overline{1}$	$1\overline{1}$	$1\overline{1}00$	
02	(220)	1	0	0	0	0	$2\overline{2}$	$2\overline{2}$	$2\overline{2}00$	
01	(330)	1	0	0	1	0	$3\overline{3}$	$3\overline{3}$	$3\overline{3}00$	
10	$(\overline{220})$	0	0	0	0	0	$\overline{2}2$	$\overline{2}2$	$\overline{1}11\overline{1}$	
13	$(\overline{110})$	0	0	0	1	0	$\overline{1}1$	$\overline{1}1$	$001\overline{1}$	
12	(000)	0	0	0	0	0	00	00	$1\overline{1}1\overline{1}$	
11	(110)	1	0	0	1	0	$1\overline{1}$	$1\overline{1}$	$2\overline{2}1\overline{1}$	
	/	65.4	190 CAM	mm Class	sification -	$=\mathbb{Z}_M^3$ $X_{\mathrm{BS}}$	- 7.4 SI -	- ~'		
$\overline{\mathbb{Z}_4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{130}{9001}$	$\frac{2^{010}}{2^{010}}$	$\frac{i}{i}$	$\frac{-\omega_M}{2^{100}}$	$\frac{-24}{Cm_{(2)}^{001}}$	$\frac{c_{4P}}{Cm_{(2)}^{010}}$	$Cm_{(2)}^{100}$	
$\frac{224}{0}$	(044)	1	0	0	0	0	-0.00000000000000000000000000000000000	$\frac{Cm_{(2)}}{4\overline{4}}$	$\frac{Cm_{(2)}}{4\overline{4}}$	
	$(0\bar{2}\bar{2})$							$\frac{44}{\overline{2}2}$	$\frac{44}{22}$	
0	$(0\overline{2}\overline{2})$	0	0	0	0	0	$\frac{0000}{2200}$	00	$\frac{22}{22}$	
$\frac{0}{0}$	$(022)$ $(0\overline{2}\overline{2})$	0	0	0	0	0	$\frac{2200}{2200}$	$\frac{00}{22}$	00	
$\frac{0}{3}$	(022)	1	0	0	1	0	$\frac{2200}{1\overline{1}00}$	$\frac{22}{1\overline{1}}$	$\frac{00}{1\overline{1}}$	
$\frac{3}{2}$	(022)		0	0		0	$\frac{1100}{2\overline{2}00}$	$\frac{11}{2\overline{2}}$	$\frac{11}{2\overline{2}}$	
$\frac{2}{1}$	(033)	1 1	0	0	0	0	$\frac{2200}{3\overline{3}00}$	$\frac{22}{3\overline{3}}$	$\frac{22}{3\overline{3}}$	
	(055)								<u> </u>	
			5.491 <i>Cca</i>		ication = 100	$\mathbb{Z}_M$ $X_{BS} =$	$\mathbb{Z}_2$ $\mathrm{SI} = 2$	$z'_{2P}$		
$\mathbb{Z}_2$	weak	$2^{001}$	$2^{010}_{00\frac{1}{2}}$	i	$2^{100}_{00\frac{1}{2}}$	$Cm_{(2)}^{001}$				
0	(000)	0	0	0	0	$2\overline{2}00$				
0	(000)	0	0	0	0	$2\overline{2}00$				
1	(000)	0	0	1	0	$1\overline{1}00$				
		66.495	Cc'c'm	Classification	$n = \mathbb{Z}_M \times$	$\mathbb{Z}$ $X_{RS} = \mathbb{Z}$	$\mathbb{Z}_{2,2}$ $SI = z$	+ + + + + + + + + + + + + + + + + + +		
$\overline{\mathbb{Z}_{2,2}}$	weak	$\frac{2^{001}}{}$	$\frac{2^{010}_{00\frac{1}{2}}*}{2^{00\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{2^{100}}{2^{00\frac{1}{2}}}*$	$\frac{Cm_{(2)}^{001}}{Cm_{(2)}^{001}}$	2,2 .5- ~	$_{2m},_{0},_{-2m,\pi}$		
00	(000)	0	$\frac{2_{00\frac{1}{2}}}{0}$	0	$\frac{2_{00\frac{1}{2}}}{0}$	$\frac{2\overline{200}}{2\overline{200}}$				
00	(000) $(004)$	0	0	0	0	4022				
00	(004)	0	0	0	0	$\frac{4022}{2\overline{2}00}$				
	/									
01	$(00\bar{2})$	0	0	1	0	2011				

10	(000)	0	1	1	1	$1\overline{1}00$			
11	$(00\overline{2})$	0	1	0	1	3111			
		66.496	Ccc'm'	Classificatio	$n = \mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} =$	$\mathbb{Z}_{2,2}$ SI =	$z_{2P2}, z'_{2P}$	
$\overline{\mathbb{Z}_{2,2}}$	weak	2001*	$2^{010}_{00\frac{1}{2}}*$	i	$2^{100}_{00\frac{1}{2}}$			21 ,2 / 21	
00	$(\bar{2}20)$	0	0	0	0				
00	(000)	0	0	0	0				
01	(000)	1	1	1	0				
10	$(\bar{1}10)$	0	0	0	0				
11	$(\bar{1}10)$	1	1	1	0				
		66	$C_c$	ccm Classifi	ication = $\mathbb{Z}_{I}$	$_{M}$ $X_{\mathrm{BS}}$	$= \mathbb{Z}_2  SI =$	$z_{2P}'$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$2^{001}$	$2^{010}*$	i	$2^{100}*$	$Cm_{(2)}^{001}$		
0	(002)	1	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(001)	1	0	1	1	1	$1\overline{1}00$		
			$C_a$	ccm Classif		$_{M}$ $X_{BS}$	$=\mathbb{Z}_2$ SI $=$	$z_{2P}'$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}$	$2^{010}_{00\frac{1}{2}}$	i	$2^{100}_{00\frac{1}{2}}$	$Cm_{(2)}^{001}$		
0	(220)	1	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	$2\overline{2}00$		
1	(110)	1	0	0	1	0	$1\overline{1}00$		
			$.500 C_A$	ccm Classif		$\frac{2}{M}$ $X_{\rm BS}$	$=\mathbb{Z}_2$ SI $=$		
$\mathbb{Z}_2$	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	(022)	1	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	$\frac{2\overline{2}}{1\overline{1}}$	
1	(011)	1	1	1	0	0	1100	11	
77/	**** 1.		$\frac{0.501 Cn}{2010}$	$\frac{ima}{i}$ Classif	$\frac{\text{ication} = \mathbb{Z}^2}{2^{100}}$	$\frac{X_{\rm BS}}{C_{\rm ms}}$	$=\mathbb{Z}_2$ SI $=$	$z_{2P}^{\prime}$	
$\mathbb{Z}_2$	weak	$2^{001}_{0\frac{1}{2}0}$	$2^{010}_{0\frac{1}{2}0}$			$Cm_{(2)}^{010}$	$Cm_{(2)}^{100}$		
$\frac{0}{0}$	(000)	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	$\frac{2\overline{2}}{00}$		
$\frac{0}{0}$	(000)	0	0	0	0	00	$\frac{00}{2\overline{2}}$		
1	(000)	0	0	1	0	$\frac{00}{1\overline{1}}$	$\frac{22}{1\overline{1}}$		
	(000)	67.505		Classification				- ~- ~'	
$\overline{\mathbb{Z}_{2,2}}$	weak	$\begin{array}{c c} 2001 \\ 20\frac{1}{2}0 \end{array}$	$\frac{2^{010}_{0\frac{1}{2}0}*}{2^{010}_{0\frac{1}{2}0}}$	i	$\frac{311 - 22 \times 22}{2^{100}*}$	ABS -	- Z <sub>2,2</sub> S1 —	- <i>z</i> <sub>2</sub> <i>P</i> ,3, <i>z</i> <sub>2</sub> <i>P</i>	
00	(002)	$\frac{2_{0\frac{1}{2}0}}{0}$	$\frac{2_{0\frac{1}{2}0}}{0}$	0	0				
00	(002)	0	0	0	0				
01	(000)	0	1	1	1				
10	(001)	0	0	0	0				
11	(001)	0	1	1	1				
		67.506	$\overline{Cmm'a'}$	Classificatio	$\mathbf{n} = \mathbb{Z}_M \times \mathbb{Z}$	Z X <sub>BS</sub> =	$=\mathbb{Z}_{2,2}$ 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	$2^{100}$	$Cm_{(2)}^{100}$	,	, , 21	
00	$(2\bar{2}0)$	$0^{\frac{1}{2}0}$	$\frac{0}{2}$ 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	$1\overline{1}$			
10	$(1\bar{1}0)$	0	0	0	0	11			
11	$(1\bar{1}0)$	1	1	1	0	20			
				nma Classit		$_{M}^{2}$ $\overline{\mathrm{X}}_{\mathrm{BS}}$	$=\mathbb{Z}_2$ SI =	$=z_{2P}^{\prime}$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$2^{001}_{0\frac{1}{2}0}$	$2^{010}_{0\frac{1}{2}0}$	i	$2^{100}$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{100}$	
0	(002)	1	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	$\frac{2\overline{2}}{1\overline{1}}$	
1	(001)	1	0	0	1	0	11	$1\overline{1}$	

		67	F00 C 200	Classi	faction	772 V	77 CT	•/	
$\overline{\mathbb{Z}_2}$	weak		$\frac{509 - C_a m}{2001}$	$\frac{200}{2_{0\frac{1}{2}0}^{100}}*$		$\frac{\mathbb{Z}_{M}^{2} X_{\mathrm{BS}}}{2^{010} *}$	$\frac{= Z_2 \text{ SI} = Cm_{(2)}^{010}}{Cm_{(2)}^{010}}$	$\frac{z_{2P}}{C_{m}^{100}}$	
		$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{0\frac{1}{2}0}$		$i_{0\frac{1}{2}0}*$			$Cm_{(2)}^{100}$	
0	(220)	1	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	$\frac{2\overline{2}}{2}$	
0	(000)	0	0	0	0	0	$2\overline{2}$	00	
0	(000)	0	0	0	0	0	$\frac{00}{1\overline{1}}$	$\frac{2\overline{2}}{1\overline{1}}$	
1	(110)	1	0	1	0				
F7/	1		$\frac{510 C_A m}{2001}$	ma Classi		$\mathbb{Z}_M^2$ $X_{BS}$	$=\mathbb{Z}_2$ SI =	$= z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$2^{001}_{0\frac{1}{2}0}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	$i_{0\frac{1}{2}\frac{1}{2}}*$	$2^{010}_{00\frac{1}{2}}$	$Cm_{(2)}^{001}$	$Cm_{(2)}^{100}$	
0	(022)	1	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	$\frac{2\overline{2}}{1\overline{1}}$	
1	(011)	1	1	1	0	0	1100	11	
- F7	,		$\frac{68.511}{2010}$ $\frac{Ca}{C}$		cation = 2	$\mathbb{Z}_2  X_{\mathrm{BS}} =$	$\mathbb{Z}_2$ SI = $z$	<sup>'</sup> 2P	
$\mathbb{Z}_2$	weak	$2^{001}_{0\frac{1}{2}0}$	$2^{010}_{00\frac{1}{2}}$	i	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$				
0	(000)	0	0	0	0				
1	(000)	0	0	1	0				
				lassification		$X_{BS} = \mathbb{Z}_2$	$_{2,2}$ SI = $z_2'$	$z_P, z_{2,68.515}$	
$\mathbb{Z}_{2,2}$	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		Classificatio		$X_{\rm BS} = Z$	$\mathbb{Z}_{2,2}$ $\mathrm{SI}=1$	$z_{2P,2}, z'_{2P}$	
$\mathbb{Z}_{2,2}$	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	$(2\bar{2}0)$	0	0	0	0				
00	(000)	0	0	0	0				
01	(000)	1	1	1	0				
10	$(1\bar{1}0)$	0	0	0	0				
11	$(1\bar{1}0)$	1	1	1	0				
			$8.518 C_{c}$	cca Classif	ication =	$\mathbb{Z}_2$ $X_{\mathrm{BS}} =$	$\mathbb{Z}_2$ $SI = 2$	$z_{2P}'$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$2^{001}_{0\frac{1}{2}0}$	$2^{100}_{0\frac{1}{2}0}*$	i	$2^{010}*$			
0	$(00\bar{2})$	1	0	0	0	0			
1	$(00\bar{1})$	1	0	1	1	1			
		6	$8.519  C_a$	cca Classif	fication =	$\mathbb{Z}_2$ $X_{BS} =$	$\mathbb{Z}_2$ $\mathrm{SI} = 2$	$z_{2P}'$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{0\frac{1}{2}0}$	$2^{010}_{0\frac{1}{2}\frac{1}{2}}*$	$i_{0\frac{1}{2}0}*$	$2^{100}_{00\frac{1}{2}}*$			
0	(220)	1	0	0	0	0			
1	(110)	1	0	1	0	1			
		68	$8.520 C_A$	cca Classi	fication =	$\mathbb{Z}_2$ $X_{BS} =$	$\mathbb{Z}_2$ $SI = 1$	$z'_{2P}$	
	1		o001	$2_{00\frac{1}{2}}^{010}$		2100		21	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\}$	$2_{010}^{-1}$	<sup>2</sup> 001	o() = =	Z <sub>011</sub>			
$egin{array}{ c c c c c c c c c c c c c c c c c c c$		$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\begin{array}{c} 2^{001}_{0\frac{1}{2}0} \\ 0 \end{array}$	$\frac{\frac{2}{00\frac{1}{2}}}{0}$	$\frac{i_{0\frac{1}{2}\frac{1}{2}}*}{0}$	$\begin{array}{c} 2_{0\frac{1}{2}\frac{1}{2}}^{100} \\ 0 \end{array}$			
	$ \begin{array}{c} \text{weak} \\ \hline (0\overline{2}\overline{2}) \\ \hline (0\overline{1}\overline{1}) \end{array} $								
0	$(0\bar{2}\bar{2})$	1 1	0 0	0	0	0	= Z <sub>4</sub> SI =	= Z' <sub>AB</sub>	
0 1	$(0\bar{2}\bar{2})$ $(0\bar{1}\bar{1})$	1 1	0	0	0	$ \begin{array}{c c} 0\\ 0\\ \hline \mathbb{Z}_M^3 & X_{BS} \end{array} $	$= \mathbb{Z}_4  \text{SI} = Cm_{(2)}^{010}$	$= z'_{4P}$ $Cm^{100}_{(2)}$	
$\begin{array}{c c} 0 \\ \hline 1 \\ \hline \\ \mathbb{Z}_4 \end{array}$	$\begin{array}{c} (0\bar{2}\bar{2}) \\ (0\bar{1}\bar{1}) \end{array}$ weak	$ \begin{array}{c} 1 \\ 1 \\ \hline 69. \\ 2^{001} \end{array} $	$ \begin{array}{c} 0\\0\\ \hline 521  Fmi \end{array} $	$ \begin{array}{cc} 0 \\ 0 \\ \hline  mm & \text{Classi} \\ i \end{array} $	$ \frac{0}{0} $ fication =	$0 \ 0 \ Z_M^3 X_{\rm BS} \ Cm_{(2)}^{001}$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{100}$	
0 1	$(0\bar{2}\bar{2})$ $(0\bar{1}\bar{1})$	1 1 69.	$   \begin{array}{r}     0 \\     0 \\     \hline     521 Fmr \\     2^{010}   \end{array} $	$0 \\ 0 \\ mm$ Classi	$ \begin{array}{c} 0 \\ 0 \\ \hline \text{fication} = \\ 2^{100} \end{array} $	$ \begin{array}{c c} 0\\ 0\\ \hline \mathbb{Z}_M^3 & X_{BS} \end{array} $	$= \mathbb{Z}_4  \text{SI} = \frac{Cm_{(2)}^{010}}{4\overline{4}}$ $= \frac{4\overline{4}}{\overline{2}2}$	$ \begin{array}{c} z_{4P}' \\ Cm_{(2)}^{100} \\ \hline 4\overline{4} \\ \hline 22 \end{array} $	
$ \begin{array}{c c} 0\\ 1\\ \hline \mathbb{Z}_4\\ 0\\ \end{array} $	$ \begin{array}{c} (0\bar{2}\bar{2}) \\ (0\bar{1}\bar{1}) \end{array} $ weak $ (000) $	$ \begin{array}{c} 1 \\ 1 \\ \hline 69. \\ 2^{001} \\ 0 \end{array} $	$   \begin{array}{r}     0 \\     0 \\     \hline     521 Fmr \\     2^{010} \\     0   \end{array} $	$ \begin{array}{c} 0\\ 0\\ mm \end{array} $ Classi $ i\\ 0$	$ \frac{0}{0} $ fication = $ 2^{100} $		$\frac{Cm_{(2)}^{010}}{4\overline{4}}$	$\frac{Cm_{(2)}^{100}}{4\overline{4}}$	
$ \begin{array}{c c} 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \end{array} $	$(0\bar{2}\bar{2})$ $(01\bar{1})$ weak $(000)$ $(000)$	1 1 69. 2 <sup>001</sup> 0	$   \begin{array}{r}     0 \\     0 \\     \hline     521 Fmr \\     2010 \\     0 \\     \hline     0   \end{array} $	0 0 mm Classi i 0 0	$ \begin{array}{r} 0 \\ 0 \\ \hline \text{fication} = \\ 2^{100} \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} 0 \\ \hline 0 \\ \hline \mathbb{Z}_{M}^{3} & \mathbf{X}_{\mathrm{BS}} \\ C m_{(2)}^{001} \\ \hline 44 \\ 00 \end{array} $	$   \begin{array}{r}     Cm_{(2)}^{010} \\     \hline     4\overline{4} \\     \hline     \overline{2}2   \end{array} $	$ \begin{array}{c} Cm_{(2)}^{100} \\  \underline{44} \\  \overline{2}2 \end{array} $	
$ \begin{array}{c c} 0 \\ 1 \\ \hline  & \\  & \\ 0 \\ 0 \\ 0 \\ 0 \\ 3 \\ \end{array} $	(022) (011) weak (000) (000) (000) (000) (000)	1 1 69. 2 <sup>001</sup> 0 0	$ \begin{array}{c} 0 \\ 0 \\ \hline 521 Fmn \\ 2^{010} \\ 0 \\ 0 \\ 0 \end{array} $	0 0 nm Classi i 0 0	$ \begin{array}{r} 0 \\ 0 \\ \hline 0 \\ \hline 100 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c c} 0 \\ \hline 0 \\ \hline Z_M^3 & X_{BS} \\ \hline Cm_{(2)}^{001} \\ \hline 44 \\ \hline 00 \\ \hline \overline{2}2 \\ \hline \hline 22 \\ \hline 1\overline{1} \\ \end{array}$	$ \begin{array}{c} Cm_{(2)}^{010} \\ \hline 44 \\ \hline 22 \\ \hline 00 \\ \hline 22 \\ 1\overline{1} \end{array} $	$ \begin{array}{r} Cm_{(2)}^{100} \\ \hline 44 \\ \hline 22 \\ \hline 22 \\ \hline 00 \\ 1\overline{1} \end{array} $	
$ \begin{array}{c c} 0 \\ 1 \\ \hline  & \\  & \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	(022) (011) weak (000) (000) (000) (000)	1 1 69. 2 <sup>001</sup> 0 0 0	$ \begin{array}{r} 0 \\ 0 \\ 521 Fmr \\ 2^{010} \\ 0 \\ 0 \\ 0 \end{array} $	0 0 mm Classi i 0 0 0	$ \begin{array}{r} 0 \\ 0 \end{array} $ fication = $ 2^{100} $ $ 0 \\ 0 \\ 0 $	$ \begin{array}{c c} 0 \\ \hline \mathbb{Z}_{M}^{3} & X_{BS} \\ \hline Cm_{(2)}^{001} \\ 44 \\ \hline 00 \\ \hline 22 \\ \hline 22 \end{array} $	$ \begin{array}{r} Cm_{(2)}^{010} \\ \hline 44 \\ \hline 22 \\ \hline 00 \\ \hline 22 \end{array} $	$ \begin{array}{r} Cm_{(2)}^{100} \\  \hline  44 \\  \hline  22 \\  \hline  22 \\  \hline  00 \end{array} $	

		69.524	$E_m/m/m$	Classificati	ion — 7	v 77 V	$=\mathbb{Z}_{2,2}$ SI $=$	~ ~'		
$\overline{\mathbb{Z}_{2,2}}$	weak	$\frac{09.524}{2^{001}}$	$\frac{rmmm}{2^{010}*}$	i	$\frac{1001 = Z_M}{2^{100}*}$	$\frac{\times \mathbb{Z}  \Lambda_{\text{BS}}}{Cm_{(2)}^{001}}$	$= \mathbb{Z}_{2,2}$ $\mathfrak{S}_1 =$	$z_{2P,2}, z_{2P}$		
$\frac{22,2}{00}$	$(\bar{2}\bar{2}0)$	0	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)	0	1	1	1	$\frac{22}{1\overline{1}}$				
10	$(\bar{1}\bar{1}0)$	0	0	0	0	11				
11	$(\bar{1}\bar{1}0)$	0	1	1	1	20				
	(110)		FOC E				77 OT	/		
	1_		$\frac{1520 F_S m}{2001}$	$\frac{nmm}{2^{010}}$ Class		$\frac{\mathbb{Z}_{M}^{\circ}}{2^{100}}$	$S = \mathbb{Z}_4$ $SI = C = 100$	$\frac{z_{4P}}{C_{\cdots}}$	C001	
$\mathbb{Z}_4$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$		<u>-</u>	i		$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{001}$	
0	(444)	1	0	0	0	0	$\frac{4\overline{4}}{2}$	$\frac{4\overline{4}}{\overline{2}}$	$\frac{4\overline{4}}{\overline{2}}$	
0	$(\bar{2}\bar{2}\bar{2})$	0	0	0	0	0	00	$\overline{2}2$	<u>2</u> 2	
0	$(\bar{2}\bar{2}\bar{2})$	0	0	0	0	0	$\frac{\overline{2}2}{\overline{2}2}$	00	22	
0	$(\bar{2}\bar{2}\bar{2})$	0	0	0	0	0	<u>2</u> 2	$\overline{22}$	00	
3	(111)	1	0	0	1	0	$\frac{1\overline{1}}{2\overline{2}}$	$\frac{1\overline{1}}{2\overline{2}}$	$\frac{1\overline{1}}{2\overline{2}}$	
2	(222)	1	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	$\frac{2\overline{2}}{2\overline{2}}$	$\frac{2\overline{2}}{2\overline{2}}$	
1	(333)	1	0	0	1	0	33	$3\overline{3}$	$3\overline{3}$	
	ı				fication =	$\mathbb{Z}_2$ $X_{BS} =$	$=\mathbb{Z}_2 \mathrm{SI}=z_2'$	P		
$\mathbb{Z}_2$	weak	$2^{001}_{\frac{1}{4}\frac{1}{4}0}$	$2^{010}_{\frac{1}{4}0\frac{1}{4}}$	i	$2^{100}_{0rac{1}{4}rac{1}{4}}$					
0	(000)	0	0	0	0					
1	(000)	0	0	1	0					
		70.	530  Fd'd	"d Classific	$cation = \mathbb{Z}$	$\times \mathbb{Z}_2$ $X_B$	$_{\mathrm{S}}=\mathbb{Z}_{2} \mathrm{SI}=% \left\{ \mathbb{Z}_{2}\right\} =0$	$z'_{2P}$		
$\overline{\mathbb{Z}_2}$	weak	$2^{001}_{\frac{1}{4}\frac{1}{4}0}$	$2^{010}_{\frac{1}{4}0^{\frac{1}{4}}}*$	i	$2^{100}_{0\frac{1}{4}\frac{1}{4}}*$		_	21		
0	(000)	0	$\frac{404}{0}$	0	$0^{\frac{1}{4} \frac{7}{4}}$					
0	(220)	0	1	0	1					
1	· /	Ü								
ı	(()()())	0	1	1	1					
1	(000)	0 7				7. V.a.	- 7 - SI - ≈	,		
	, ,	7	$70.532 F_{S}$	ddd Classi	ification =	$\frac{\mathbb{Z}_2}{2^{100}}$ $\frac{X_{BS}}{2^{100}}$	$=\mathbb{Z}_2$ $\mathrm{SI}=z_2$	, 2P		
$\mathbb{Z}_2$	weak		$70.532  ext{ } F_S$ $2^{001}_{\frac{1}{4}\frac{1}{4}0}$	$2\frac{1}{4}0\frac{1}{4}$	$ \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{i_{\frac{1}{2}\frac{1}{2}}}* $	$2^{100}_{0\frac{1}{4}\frac{1}{4}}$	$=\mathbb{Z}_2$ SI $=z$	, 2 <i>P</i>		
$\frac{\mathbb{Z}_2}{0}$	weak (222)	$ \begin{array}{c c}     7 \\     \hline     \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\     \hline     1 \end{array} $	$ \begin{array}{c c} 70.532 & F_S \\ \hline 2^{001}_{\frac{1}{4},\frac{1}{4},0} \\ 0 \end{array} $	$ \frac{2010}{2_{\frac{1}{4}0_{\frac{1}{4}}}^{010}} $	$ \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} $	$\begin{array}{c} 2^{100}_{0\frac{1}{4}\frac{1}{4}} \\ 0 \end{array}$	$=\mathbb{Z}_2$ $\mathrm{SI}=z_2$	, 2P		
$\mathbb{Z}_2$	weak	$ \begin{array}{c c} 7 \\  & \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\  & 1 \\  & 1 \end{array} $	$ \begin{array}{c c} \hline 0.532 & F_S \\ 2^{001}_{\frac{1}{4},\frac{1}{4},0} \\ \hline 0 \\ 0 \end{array} $	$ \begin{array}{c}                                     $	$ \begin{array}{c} i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} * \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ 0 \end{array} $				
$ \begin{array}{c c} \hline \mathbb{Z}_2 \\ \hline 0 \\ 1 \end{array} $	weak (222) (111)	$ \begin{array}{c c}  & 7 \\  & \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\  & 1 \\  & 1 \end{array} $	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2^{001}_{\frac{1}{4}\frac{1}{4}0} & 0 \\ \hline 0 & 0 \\ \hline 1.533 & Im \end{array} $	$\begin{array}{c} 2 \\ \frac{1}{4} \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$ \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = 0 $ fication =	$ \begin{array}{c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ 0 \\ \mathbb{Z}_{M}^{3}  X_{BS} \end{array} $	$=\mathbb{Z}_4$ SI $=2$	z <sub>4</sub> P		
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \end{array} $ $ \mathbb{Z}_4$	weak (222) (111) weak	$ \begin{array}{c c} 7 \\ \{1   \frac{1}{2} \frac{1}{2} \frac{1}{2} \} * \\ 1 \\ 1 \\ 2^{001} \end{array} $	$ \begin{array}{c}       0.532  F_S \\       2_{\frac{1}{4}\frac{1}{4}0}^{0001} \\       0 \\       0 \\       \hline       0.533  Im \\       2^{010} $	$\begin{array}{c} 2 \\ \frac{1}{4} \\ 0 \\ 0 \\ 0 \\ \hline \\ mm  \text{Classif} \\ i \\ \end{array}$	fication = $ \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = 0 $ fication = $ 2^{100} $	$ \begin{array}{c c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ \hline 0 \\ \hline Z_M^3 X_{BS} \\ Cm_{(2)}^{001} \end{array} $	$= \mathbb{Z}_4  \text{SI} = 2$ $Cm_{(2)}^{010}$	$z'_{4P} \over Cm^{100}_{(2)}$		
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \mathbb{Z}_4 \\ 0 \end{array} $	weak (222) (111) weak (000)	$ \begin{array}{c c} 7 \\ \{1   \frac{1}{2} \frac{1}{2} \frac{1}{2} \} * \\ \hline 1 \\ 1 \\ \hline 2^{001} \\ 0 \end{array} $	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2_{\frac{1}{4}\frac{1}{4}0}^{0001} \\ \hline 0 \\ \hline 0.533 & Im \\ \hline 2^{010} \\ \hline 0 \end{array} $	$ \begin{array}{c c} \hline                                    $	fication = $ \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*}{0} $ 0 fication = $2^{100}$ 0	$ \begin{array}{c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ \hline Z_M^3  X_{BS} \\ Cm_{(2)}^{001} \\ 44 \end{array} $	$= \mathbb{Z}_4  \text{SI} = 2$ $\frac{Cm_{(2)}^{010}}{44}$	$\frac{z'_{4P}}{\frac{Cm_{(2)}^{100}}{44}}$		
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \end{array} $	weak (222) (111)  weak (000) (000)	$ \begin{array}{c c} 7 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ \hline 1 \\ 1 \\ \hline 2^{001} \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2^{001}_{\frac{1}{4},\frac{1}{4}0} \\ \hline 0 \\ 0 \\ \hline 0.533 & Im \\ \hline 2^{010} \\ \hline 0 \\ 0 \\ \end{array} $	$ \begin{array}{c}     \frac{2}{4} \frac{1}{4} \frac{1}{4} \\     0 \\     0 \\     \hline     0 \\     \hline     mm Classi \\     i \\     0 \\     \hline     0 \\     0 \\     \hline     0 \\ $	fination = $\frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0}$ 0 0 fixation = $\frac{2^{100}}{0}$ 0	$ \begin{array}{c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ \hline 2_{M}^{3}  X_{BS} \\ Cm_{(2)}^{001} \\ 4\overline{4} \\ 00 \end{array} $	$= \mathbb{Z}_4  \text{SI} = 2$ $\frac{Cm_{(2)}^{010}}{4\overline{4}}$ $\overline{2}2$	$ \frac{z'_{4P}}{Cm_{(2)}^{100}} \\ \frac{44}{22} $		
	weak (222) (111)  weak (000) (000) (000)	$ \begin{array}{c c} 7 \\ \{1 \frac{1}{2},\frac{1}{2},\frac{1}{2}\}* \\ \hline 1 \\ 1 \\ \hline 2^{001} \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2^{001}_{\frac{1}{4}\frac{1}{4}0} \\ 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	fination = $\frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0}$ 0 0 fination = $\frac{2^{100}}{0}$ 0	$ \begin{array}{c c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ \hline 0 \\ \hline 0 \\ \hline Z_M^3 X_{BS} \\ \hline C m_{(2)}^{001} \\ \hline 4\overline{4} \\ \hline 00 \\ \hline \overline{2}2 $		$ \frac{\overline{c'_{4P}}}{Cm_{(2)}^{100}} \\ \frac{4\overline{4}}{22} \\ \overline{22} $		
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	weak (222) (111)  weak (000) (000) (000) (000)	$ \begin{array}{c c} 7 \\ \{1   \frac{1}{2} \frac{1}{2} \frac{1}{2} \} * \\ \hline 1 \\ 1 \end{array} $ $ \begin{array}{c c} 71 \\ 2^{001} \\ \hline 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2_{\frac{1}{4}\frac{1}{4}0}^{0001} \\ \hline 0 \\ \hline 0.533 & Im \\ \hline 2^{010} \\ \hline 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} cddd & \text{Classi} \\ \hline 2^{010}_{\frac{1}{4}0^{\frac{1}{4}}} \\ \hline 0 \\ \hline 0 \\ \hline mm & \text{Classi} \\ \hline i \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline \end{array} $	fication = $\frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*}{0}$ 0 fication = $\frac{2^{100}}{0}$ 0 0	$ \begin{array}{c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ \hline Z_M^3  X_{BS} \\ \underline{Cm_{(2)}^{001}} \\ 4\overline{4} \\ \underline{00} \\ \underline{\overline{22}} \\ \underline{\overline{22}} \end{array} $	$ \begin{array}{c c}                                    $	$ \frac{z'_{4P}}{Cm_{(2)}^{100}} \\  \underline{44} \\  \underline{\overline{2}2} \\  \underline{\overline{2}2} \\  00 $		
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3 \end{array} $	weak (222) (111)  weak (000) (000) (000) (000) (000)	$ \begin{array}{c c} 7 \\ \{1 \mid \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \} * \\ \hline 1 \\ 1 \\ \hline 2^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2\frac{101}{4}\frac{1}{4}0 \\ \hline 0 \\ \hline 0 \\ \hline 0.533 & Im \\ \hline 2010 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} cddd & \text{Classi} \\ \hline 2^{010}_{\frac{1}{4}0^{\frac{1}{4}}} \\ \hline 0 \\ \hline 0 \\ \hline mm & \text{Classi} \\ \hline i \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline \end{array} $	fication = $ \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} *}{0} $ $0$ fication = $ \frac{2^{100}}{0} $ $0$ $0$ $0$ $0$ $0$ $0$	$ \begin{array}{c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ \hline Z_{M}^{3} X_{BS} \\ \underline{Cm_{(2)}^{001}} \\ 4\overline{4} \\ 00 \\ \hline \underline{22} \\ 2\overline{2} \\ 1\overline{1} \end{array} $	$ \begin{array}{c c}                                    $	$ \begin{array}{c} z'_{4P} \\ Cm_{(2)}^{100} \\ \hline 44 \\ \hline 22 \\ \hline 22 \\ \hline 00 \\ 1\overline{1} \end{array} $		
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \end{array} $	weak (222) (111)  weak (000) (000) (000) (000) (000) (000)	$ \begin{array}{c c} 7 \\ \{1 \mid \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \} * \\ \hline 1 \\ 1 \\ \hline 2^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2_{\frac{1}{4},\frac{1}{4}0}^{2001} \\ \hline 0 \\ \hline 0 \\ \hline 1.533 & Im \\ \hline 2^{010} \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c}                                    $	fination = $ \frac{i_{\frac{1}{2}\frac{1}{2}^{\frac{1}{2}}}}{0} $ $0$ fination = $ 2^{100} $ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$	$ \begin{array}{c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ \hline Z_{M}^{3} X_{BS} \\ Cm_{(2)}^{001} \\ 44 \\ 00 \\ \hline 22 \\ \hline 22 \\ 1\overline{1} \\ 2\overline{2} \end{array} $	$ \begin{array}{c c}                                    $	$ \begin{array}{c} z'_{4P} \\ Cm^{100}_{(2)} \\ \underline{44} \\ \underline{52} \\ \underline{72} \\ 00 \\ \underline{11} \\ 2\overline{2} \end{array} $		
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3 \end{array} $	weak (222) (111)  weak (000) (000) (000) (000) (000)	$ \begin{array}{c c} 7 \\ \{1 \frac{1}{2},\frac{1}{2},\frac{1}{2}\}* \\ \hline 1 \\ 1 \\ \hline 2^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c c} 0.532 & F_S \\ \hline 2^{001}_{\frac{1}{4}\frac{1}{4}0} \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ 0 \\$	$ \begin{array}{c c} c ddd & Classi \\ \hline 2 \frac{010}{4} 0 \frac{1}{4} 0 \frac{1}{4} \\ \hline 0 \\ \hline 0 \\ \hline mm & Classi \\ \hline i \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline \end{array} $	fination = $ \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} $ $0$ $0$ fination = $ 2^{100} $ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$	$ \begin{array}{c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ \hline Z_{M}^{3} X_{BS} \\ \underline{Cm_{(2)}^{001}} \\ 4\overline{4} \\ \underline{00} \\ \overline{22} \\ \overline{22} \\ 1\overline{1} \\ \underline{2\overline{2}} \\ 3\overline{3} \end{array} $	$ \begin{array}{c c}                                    $	$ \begin{array}{c} z'_{4P} \\ Cm_{(2)}^{100} \\ 4\overline{4} \\ \overline{2}2 \\ \overline{2}2 \\ 00 \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $		
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \end{array} $	weak (222) (111)  weak (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c c} 7 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 1 \\ 1 \\ \hline                            $	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2^{001}_{\frac{1}{4}\frac{1}{4}0} \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c c} cddd & Classi \\ \hline 2\frac{010}{4}0\frac{1}{4} \\ \hline 0 \\ \hline 0 \\ \hline mm & Classi \\ \hline i \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline Classificati \\ \hline \end{array} $	fination = $ \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} $ $0$ $0$ fination = $ 2^{100} $ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$	$\begin{array}{c} 2^{100}_{0\frac{1}{4}\frac{1}{4}} \\ 0 \\ 0 \\ \hline Z_M^3  X_{BS} \\ Cm^{001}_{(2)} \\ \hline 4\overline{4} \\ 00 \\ \hline 2\overline{2} \\ \hline 2\overline{2} \\ \hline 1\overline{1} \\ 2\overline{2} \\ \hline 3\overline{3} \\ \hline \times \mathbb{Z}  X_{BS} = \\ \end{array}$	$ \begin{array}{c c}                                    $	$ \begin{array}{c} z'_{4P} \\ Cm_{(2)}^{100} \\ 4\overline{4} \\ \overline{2}2 \\ \overline{2}2 \\ 00 \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $		
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \mathbb{Z}_{2,2} \end{array} $	weak (222) (111)  weak (000) (000) (000) (000) (000) (000) (000) weak	$ \begin{array}{c c} 7 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ \hline 1 \\ 1 \\ \hline 2^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 71.536 \\ 2^{001} \end{array} $	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2_{\frac{1}{4},\frac{1}{4}0}^{2001} \\ \hline 0 \\ 0 \\ \hline 0.533 & Im \\ \hline 2^{010} \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \frac{2^{010}_{\frac{1}{4}0^{\frac{1}{4}}}}{2^{\frac{1}{4}0^{\frac{1}{4}}}} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 $ Classificati	fination = $\frac{i_{\frac{1}{2}\frac{1}{2}^{\frac{1}{2}}}}{0}$ 0 0 fination = $2^{100}$ 0 0 0 0 0 0 0 0 0 2 0 0 2 0 0	$ \begin{array}{c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ 0 \\ \hline Z_{M}^{3}  X_{BS} \\ Cm_{(2)}^{001} \\ 44 \\ 00 \\ \hline 22 \\ \hline 22 \\ \hline 11 \\ 2\overline{2} \\ 3\overline{3} \\ \times \mathbb{Z}  X_{BS} = Cm_{(2)}^{001} \end{array} $	$ \begin{array}{c c}                                    $	$ \begin{array}{c} z'_{4P} \\ Cm_{(2)}^{100} \\ 4\overline{4} \\ \overline{2}2 \\ \overline{2}2 \\ 00 \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $		
$ \begin{array}{c c}  & \mathbb{Z}_2 \\ \hline 0 \\ 1 \\ \hline  & \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline  & \mathbb{Z}_{2,2} \\ 0 \\ 0 \end{array} $	weak (222) (111)  weak (000) (000) (000) (000) (000) (000) (000) (222)	$ \begin{array}{c c} 7 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ \hline 1 \\ 1 \\ \hline 2^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2_{\frac{1}{4},\frac{1}{4}0}^{2001} \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \frac{2^{010}_{\frac{1}{4}0^{\frac{1}{4}}}}{0^{\frac{1}{4}0^{\frac{1}{4}}}} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ Classificati \\ i \\ 0 \\ 0 $	fination = $ \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} $ $0$ $0$ fination = $ 2^{100} $ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$	$ \begin{array}{c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ 0 \\ \hline Z_{M}^{3}  X_{BS} \\ Cm_{(2)}^{001} \\ 4\overline{4} \\ 00 \\ \hline 22 \\ \hline 2\overline{2} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ \times \mathbb{Z}  X_{BS} = Cm_{(2)}^{001} \\ 22 \\ 22 \end{array} $	$ \begin{array}{c c}                                    $	$ \begin{array}{c} z'_{4P} \\ Cm_{(2)}^{100} \\ 4\overline{4} \\ \overline{2}2 \\ \overline{2}2 \\ 00 \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $		
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \mathbb{Z}_{2,2} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	weak (222) (111)  weak (000) (000) (000) (000) (000) (000) (000) (222) (000)	$ \begin{array}{c c} 7 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ \hline 1 \\ \hline 1 \\ \hline 2^{001} \\ \hline 0 \\ 0 \\$	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2^{001}_{\frac{1}{4}\frac{1}{4}0} \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 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 c} \hline                                    $	fination = $ \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} $ $0$ $0$ fination = $ \frac{2^{100}}{0} $ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$	$\begin{array}{c} 2^{100}_{0\frac{1}{4}\frac{1}{4}} \\ 0 \\ \hline 0 \\ \hline Z_M^3  X_{BS} \\ \hline Cm^{001}_{(2)} \\ \hline 4\overline{4} \\ \hline 00 \\ \hline \overline{2}2 \\ \hline \overline{2}2 \\ \hline \overline{2}2 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \times \mathbb{Z}  X_{BS} = \\ \hline Cm^{001}_{(2)} \\ \hline 22 \\ \hline 22 \\ \hline 2\overline{2} \\ \end{array}$	$ \begin{array}{c c}                                    $	$ \begin{array}{c} z'_{4P} \\ Cm_{(2)}^{100} \\ 4\overline{4} \\ \overline{2}2 \\ \overline{2}2 \\ 00 \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $		
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \mathbb{Z}_{2,2} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	weak (222) (111)  weak (000) (000) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c c} 7 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ \hline 1 \\ \hline 1 \\ \hline 2^{001} \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\$	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2\frac{1}{4}\frac{1}{4}0 \\ \hline 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c c} \hline                                    $	fication = $\frac{i_{\frac{1}{2}\frac{1}{2}^{\frac{1}{2}}}}{0}$ 0 fication = $\frac{2^{100}}{0}$ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ \hline Z_{M}^{3} X_{BS} \\ Cm_{(2)}^{001} \\ \hline 44 \\ 00 \\ \hline 22 \\ \hline 22 \\ \hline 11 \\ 2\overline{2} \\ 3\overline{3} \\ \hline X_{BS} = Cm_{(2)}^{001} \\ \hline 22 \\ \hline 24 \\ \hline 25 \\ 25 \\ \hline 25 \\ \hline 25 \\ 25 \\ \hline 25 \\ 25 \\ 25 \\ 25 \\ 25 \\ 25 \\ 25 \\ 25 \\$	$ \begin{array}{c c}                                    $	$ \begin{array}{c} z'_{4P} \\ Cm_{(2)}^{100} \\ 4\overline{4} \\ \overline{2}2 \\ \overline{2}2 \\ 00 \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $		
$ \begin{array}{c c}  \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline  \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline  \mathbb{Z}_{2,2} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	weak (222) (111)  weak (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c c} 7 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ \hline 1 \\ 1 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2_{\frac{1}{4}\frac{1}{4}0}^{2001} \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 1 \end{array} $	$ \begin{array}{c c} c ddd & Classi \\ \hline 2 \frac{1}{4} 0 \frac{1}{4} \\ \hline 0 \\ \hline 0 \\ \hline mm & Classi \\ \hline i \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline Classificati \\ \hline i \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline \end{array} $	fication = $\frac{i_{\frac{1}{2}\frac{1}{2}^{\frac{1}{2}}}}{0}$ 0 0 fication = $2^{100}$ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1	$ \begin{array}{c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ \hline \mathbb{Z}_{M}^{3}  X_{BS} \\ \underline{Cm_{(2)}^{001}} \\ 4\overline{4} \\ 00 \\ \hline \underline{22} \\ 2\overline{2} \\ \hline 3\overline{3} \\ \times \mathbb{Z}  X_{BS} = \\ \underline{Cm_{(2)}^{001}} \\ 22 \\ \underline{2\overline{2}} \\ 2\overline{11} \end{array} $	$ \begin{array}{c c}                                    $	$ \begin{array}{c} z'_{4P} \\ Cm_{(2)}^{100} \\ 4\overline{4} \\ \overline{2}2 \\ \overline{2}2 \\ 00 \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $		
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \mathbb{Z}_{2,2} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 0 \end{array} $	weak (222) (111)  weak (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (111)	$ \begin{array}{c c} 7 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ \hline 1 \\ 1 \\ \hline \\ 2^{001} \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 2^{001} \\ \hline 0 \\ 0 \\$	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2_{\frac{1}{4}\frac{1}{4}0}^{2001} \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c c} c ddd & Classi \\ \hline 2\frac{010}{4}0\frac{1}{4} \\ \hline 0 \\ \hline 0 \\ \hline mm & Classi \\ i \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline Classificati \\ i \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ 0 \\$	fication = $ \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} $ $0$ $0$ fication = $ \frac{2^{100}}{0} $ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$	$ \begin{array}{c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ 0 \\ \hline Z_{M}^{3} X_{BS} \\ Cm_{(2)}^{001} \\ 44 \\ 00 \\ \hline 22 \\ \hline 22 \\ \hline 33 \\ \times \mathbb{Z} X_{BS} = \\ Cm_{(2)}^{001} \\ 22 \\ \hline 22 \\ \hline 22 \\ \hline 22 \\ \hline 11 \\ 11 \\ 11 \end{array} $	$ \begin{array}{c c}                                    $	$ \begin{array}{c} z'_{4P} \\ Cm_{(2)}^{100} \\ 4\overline{4} \\ \overline{2}2 \\ \overline{2}2 \\ 00 \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \end{array} $		
$ \begin{array}{c c}  \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline  \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline  \mathbb{Z}_{2,2} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	weak (222) (111)  weak (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c c} 7 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ \hline 1 \\ \hline 1 \\ \hline 2^{001} \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\$	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2_{\frac{1}{4},\frac{1}{4}0}^{2001} \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ \hline 1 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c c} & 2 & 2 \\ \hline & & & & \\ \hline & & & & \\ \hline & & & & \\ \hline & & & &$	fication = $ \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} $ $0$ $0$ fication = $ \frac{2^{100}}{0} $ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$	$ \begin{array}{c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ \hline 0 \\ \hline 2_{M}^{3} X_{BS} \\ Cm_{(2)}^{001} \\ \hline 4_{4}^{4} \\ 00 \\ \hline 2_{2} \\ \hline 2_{2} \\ \hline 3_{3}^{3} \\ \times \mathbb{Z} X_{BS} = \\ \hline Cm_{(2)}^{001} \\ 2_{2} \\ \hline 2_{2} \\ \hline 2_{2} \\ \hline 2_{2} \\ \hline 1_{1} \\ 1_{2} \\ 0$	$ \begin{array}{c c}                                    $	$ \frac{z'_{4P}}{Cm_{(2)}^{100}} \\ \frac{44}{44} \\ \overline{2}2 \\ \overline{2}2 \\ 00 \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ z_{2P,2}, z'_{2P} $		
$\begin{array}{c c} \mathbb{Z}_2 \\ \hline 0 \\ 1 \\ \hline \\ \mathbb{Z}_4 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 3 \\ 2 \\ \hline 1 \\ \hline \\ \mathbb{Z}_{2,2} \\ \hline 00 \\ 00 \\ \hline 00 \\ 00 \\ \hline 01 \\ 10 \\ 11 \\ \hline \end{array}$	weak (222) (111)  weak (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (111) (111)	$ \begin{array}{c c} 7 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ \hline 1 \\ \hline 1 \\ \hline 2^{001} \\ \hline 0 \\ 0 \\$	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2_{\frac{1}{4},\frac{1}{4}0}^{2001} \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 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 c} \hline                                    $	fication = $\frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0}$ 0 0 0 0 fication = $\frac{2^{100}}{0}$ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ 0 \\ \hline \mathbb{Z}_{M}^{3}  X_{BS} \\ \underline{Cm_{(2)}^{001}} \\ 4\overline{4} \\ 00 \\ \hline 2\overline{2} \\ \overline{2} \\ 2\overline{2} \\ \hline 1\overline{1} \\ 2\overline{2} \\ 2\overline{2} \\ 2\overline{2} \\ 2\overline{2} \\ 1\overline{1} \\ 11 \\ 20 \\ \hline \mathbb{Z}_{M}^{3}  X_{BS} = 1 \\ \underline{R}_{M}^{001}  X_{BS} = 1 \\ \underline{R}_{M}^{011}  X_{BS} = 1 $	$= \mathbb{Z}_{4}  \text{SI} = 2$ $\frac{Cm_{(2)}^{010}}{44}$ $\frac{1}{22}$ $00$ $\frac{1}{22}$ $\frac{1}{1}$ $\frac{2}{2}$ $3\overline{3}$ $= \mathbb{Z}_{2,2}  \text{SI} =$ $= \mathbb{Z}_{4}  \text{SI} =$	$ \begin{array}{c} z'_{4P} \\ Cm_{(2)}^{100} \\ \hline 44 \\ \hline 22 \\ \hline 22 \\ \hline 00 \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ z_{2P,2}, z'_{2P} \end{array} $		
$ \begin{array}{c c}  \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline  \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline  \mathbb{Z}_{2,2} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 0 $	weak (222) (111)  weak (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (000) (111)	$ \begin{array}{c c} 7 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ \hline 1 \\ \hline 1 \\ \hline 2^{001} \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\$	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2_{\frac{1}{4},\frac{1}{4}0}^{2001} \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ \hline 1 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c c} & 2 & 2 \\ \hline & & & & \\ \hline & & & & \\ \hline & & & & \\ \hline & & & &$	fication = $ \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} $ $0$ $0$ fication = $ \frac{2^{100}}{0} $ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$	$\begin{array}{c} 2^{100}_{0\frac{1}{4}\frac{1}{4}} \\ 0 \\ 0 \\ \hline 2^{3}_{M}  X_{BS} \\ \hline Cm^{001}_{(2)} \\ \hline 4^{\overline{4}} \\ 00 \\ \hline 2^{\overline{2}} \\ \hline 2^{\overline{2}} \\ \hline 2^{\overline{2}} \\ \hline 3^{\overline{3}} \\ \times \mathbb{Z}  X_{BS} = \\ \hline Cm^{001}_{(2)} \\ \hline 2^{\overline{2}} \\ \hline 2^{\overline{2}} \\ \hline 2^{\overline{2}} \\ \hline 1^{\overline{1}} \\ \hline 1 \\ 20 \\ \end{array}$	$ \begin{array}{c c}                                    $	$ \frac{z'_{4P}}{Cm_{(2)}^{100}} \\ \frac{44}{44} \\ \overline{2}2 \\ \overline{2}2 \\ 00 \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ z_{2P,2}, z'_{2P} $	$Cm_{(2)}^{100}$	
$\begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline \\ \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \\ \mathbb{Z}_{2,2} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1$	weak (222) (111)  weak (000) (000) (000) (000) (000) (000) (000) (000) (000) (111) (111) weak (444)	$ \begin{array}{c c} 7 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ \hline 1 \\ \hline 1 \\ \hline 2^{001} \\ \hline 0 \\ 0 \\$	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2_{\frac{1}{4},\frac{1}{4}0}^{2001} \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 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 c} \hline                                    $	fication = $\frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0}$ 0 0 0 0 fication = $\frac{2^{100}}{0}$ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 2_{0\frac{1}{4}\frac{1}{4}}^{100} \\ 0 \\ 0 \\ \hline \mathbb{Z}_{M}^{3}  X_{BS} \\ \underline{Cm_{(2)}^{001}} \\ 4\overline{4} \\ 00 \\ \hline 2\overline{2} \\ \overline{2} \\ 2\overline{2} \\ \hline 1\overline{1} \\ 2\overline{2} \\ 2\overline{2} \\ 2\overline{2} \\ 2\overline{2} \\ 1\overline{1} \\ 11 \\ 20 \\ \hline \mathbb{Z}_{M}^{3}  X_{BS} = 1 \\ \underline{R}_{M}^{001}  X_{BS} = 1 \\ \underline{R}_{M}^{011}  X_{BS} = 1 $	$= \mathbb{Z}_{4}  \text{SI} = 2$ $\frac{Cm_{(2)}^{010}}{44}$ $\frac{1}{22}$ $00$ $\frac{1}{22}$ $\frac{1}{1}$ $\frac{2}{2}$ $3\overline{3}$ $= \mathbb{Z}_{2,2}  \text{SI} =$ $= \mathbb{Z}_{4}  \text{SI} =$	$\begin{array}{c}z'_{4P}\\\hline Cm^{100}_{(2)}\\\hline 4\overline{4}\\\hline 2\overline{2}2\\\hline 2\overline{2}\\\hline 00\\\hline 1\overline{1}\\\hline 2\overline{2}\\\hline 3\overline{3}\\\hline z_{2P,2},z'_{2P}\\\hline \\ z'_{4P}\\\hline Cm^{001}_{(2)}\\\hline 4\overline{4}\\\hline \end{array}$	$4\overline{4}$	
$\begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline \\ \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 3 \\ 2 \\ 1 \\ \hline \\ \mathbb{Z}_{2,2} \\ 00 \\ 00 \\ 00 \\ 00 \\ 01 \\ 10 \\ 11 \\ \hline \\ \mathbb{Z}_4 \\ \end{array}$	weak (222) (111)  weak (000) (000) (000) (000) (000) (000) (000) (000) (111) (111)  weak (444) (222)	$ \begin{array}{c c} 7\\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*\\ \hline 1\\ 1\\ \hline \\ 2^{001}\\ \hline 0\\ 0\\ 0\\ \hline 0\\ 0\\ \hline 0\\ 0\\ 0\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2_{\frac{1}{4},\frac{1}{4}0}^{2001} \\ \hline 0 & 0 \\ \hline 1 & 0 \\ \hline 0 & 0 \\ 0 & 0 \\ \hline 0 & 0 \\ 0 & 0 \\ \hline 0 & 0 \\ 0 & 0 \\ \hline 0 & 0 \\ 0 & 0 \\ \hline 0 & 0 \\ 0 & 0 \\ \hline 0 & 0 \\ 0 & 0 \\ \hline 0 & 0 \\ 0 & 0 \\ \hline 0 & 0 \\ 0 & 0 \\ \hline 0 & 0 \\ $	$ \begin{array}{c c} & 2 & 2 \\ \hline & & & & \\ \hline & & & & \\ \hline & & & & \\ \hline & & & &$	$ \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}\frac{1}{2}$	$\begin{array}{c} 2^{100}_{0\frac{1}{4}\frac{1}{4}} \\ 0 \\ 0 \\ \hline 2^{3}_{M}  X_{BS} \\ \hline Cm^{001}_{(2)} \\ \hline 4^{4} \\ \hline 00 \\ \hline 2^{2}_{2} \\ \hline 2^{2}_{2} \\ \hline 2^{2}_{3} \\ \hline 3^{3} \\ \hline \times \mathbb{Z}  X_{BS} = \\ \hline Cm^{001}_{(2)} \\ \hline 2^{2}_{2} \\ \hline 2^{2}_{2} \\ \hline 2^{2}_{2} \\ \hline 1^{1}_{1} \\ \hline 20 \\ \hline Z^{3}_{M}  X_{BS} \\ \hline 2^{100} \\ \hline 0 \\ \end{array}$	$= \mathbb{Z}_{4}  \text{SI} = 20$ $\frac{Cm_{(2)}^{010}}{44}$ $\frac{44}{22}$ $00$ $\frac{2}{22}$ $\frac{11}{22}$ $3\overline{3}$ $= \mathbb{Z}_{2,2}  \text{SI} = 20$ $\frac{2}{2}$ $\frac{3}{4}$ $= \mathbb{Z}_{4}  \text{SI} = 20$ $\frac{2}{2}$ $\frac{3}{4}$ $00$	$\begin{array}{c} z'_{4P} \\ \hline Cm_{(2)}^{100} \\ \hline 4\overline{4} \\ \hline 22 \\ \hline 22 \\ \hline 22 \\ \hline 00 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline z_{2P,2}, z'_{2P} \\ \hline \\ \hline z'_{4P} \\ \hline Cm_{(2)}^{001} \\ \hline 4\overline{4} \\ \hline \overline{2}2 \\ \\ \end{array}$	$\frac{4\overline{4}}{\overline{2}2}$	
$\begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	weak (222) (111)  weak (000) (000) (000) (000) (000) (000) (000) (000) (000) (111) (111) weak (444)	$ \begin{array}{c c} 7\\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*\\ \hline 1\\ \hline 1\\ \hline \\ 2^{001}\\ \hline 0\\ 0\\ \hline 0\\ 0\\ \hline 0\\ 0\\ \hline 0\\ \hline 0\\ \hline 0\\ \hline 0\\ 0\\ \hline 0\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	$ \begin{array}{c c} \hline 0.532 & F_S \\ \hline 2_{\frac{1}{4},\frac{1}{4}0}^{2001} \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c c} & & & \\ \hline & & & $	$ \frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}}}{0} = \frac{i_{\frac{1}{2}\frac{1}{2}}}{0}}{0} $ fication = $\frac{2^{100}}{0} = \frac{0}{0}$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$	$\begin{array}{c} 2^{100}_{0\frac{1}{4}\frac{1}{4}} \\ 0 \\ 0 \\ \hline Z_M^3  X_{BS} \\ Cm^{001}_{(2)} \\ \hline 4\overline{4} \\ 00 \\ \hline 2\overline{2} \\ \hline 2\overline{2} \\ \hline 1\overline{1} \\ 2\overline{2} \\ \hline 3\overline{3} \\ \hline \times \mathbb{Z}  X_{BS} = \\ \hline Cm^{001}_{(2)} \\ \hline 2\overline{2} \\ \hline 2\overline{2} \\ \hline 2\overline{2} \\ \hline 1\overline{1} \\ 11 \\ \hline 20 \\ \hline Z_M^3  X_{BS} \\ \hline 2^{100} \\ \hline 0 \\ \end{array}$		$\begin{array}{c}z'_{4P}\\\hline Cm^{100}_{(2)}\\\hline 4\overline{4}\\\hline 2\overline{2}2\\\hline 2\overline{2}\\\hline 00\\\hline 1\overline{1}\\\hline 2\overline{2}\\\hline 3\overline{3}\\\hline z_{2P,2},z'_{2P}\\\hline \\ z'_{4P}\\\hline Cm^{001}_{(2)}\\\hline 4\overline{4}\\\hline \end{array}$	$4\overline{4}$	

0	$(\bar{2}\bar{2}\bar{2})$	0	0	0	0	0	22	<u></u>	00	
3	(111)	1	0	0	1	0	11	11	11	
2	(222)	1	0	0	0	0	$2\overline{2}$	$2\overline{2}$	$2\overline{2}$	
1	(333)	1	0	0	1	0	$3\overline{3}$	$3\overline{3}$	$3\overline{3}$	
		7:	2.539 Ib	am Classifica	ation =	$\mathbb{Z}_M$ $X_{\mathrm{BS}} = 2$	$\mathbb{Z}_2$ $\overline{\text{SI}} = z$	$z_{2P}^{\prime}$		
$\overline{\mathbb{Z}_2}$	weak	$2^{001}$	$2^{010}_{00\frac{1}{2}}$	i	$2^{100}_{00\frac{1}{2}}$	$Cm_{(2)}^{001}$				
0	(000)	0	0	0	0	$2\overline{2}$				
0	(000)	0	0	0	0	$2\overline{2}$				
1	(000)	0	0	1	0	$1\overline{1}$		-		
		72.543	Ib'a'm	Classification	$=\mathbb{Z}_{M}$	$\times \mathbb{Z}  X_{BS} = \mathbb{Z}$	$S_{2,2}$ $SI = 1$	$z_{2P,2}, z'_{2P}$		
$\mathbb{Z}_{2,2}$	weak	$2^{001}$	$2^{010}_{00\frac{1}{2}}*$	i	$2^{100}_{00\frac{1}{2}}*$	$Cm_{(2)}^{001}$				
00	$(\bar{2}\bar{2}2)$	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				
$\frac{10}{11}$	$\begin{array}{c c} (\bar{1}\bar{1}1) \\ \hline (\bar{1}\bar{1}1) \end{array}$	0	$\frac{1}{0}$	0 1	$\frac{1}{0}$	11 20				
	(111)	72.544					. CT	~ ~'		
$\overline{\mathbb{Z}_{2,2}}$	weak	$\frac{72.544}{2^{001}*}$	$\frac{Iba'm'}{2^{010}_{00\frac{1}{2}}*}$	Classification	$= \mathbb{Z} \times \frac{2^{100}}{2^{00\frac{1}{2}}}$	$ \underline{\omega}_2  \mathbf{\Lambda}_{\mathrm{BS}} = \underline{\mathbb{Z}} $	SI = z	$z_{2P,2}, z_{2P}$		
		_	$\frac{z_{00\frac{1}{2}}^*}{0}$							
00	$(2\bar{2}\bar{2})$ $(000)$	0	0	0	0					
01	(000)	1	1	1	0					
10	$(1\overline{1}\overline{1})$	0	0	0	0					
11	$(1\overline{1}\overline{1})$	1	1	1	0					
		72	$2.546$ $I_c l$	bam Classific	ation =	$\mathbb{Z}_M$ $\mathbb{X}_{\mathrm{BS}} =$	$\mathbb{Z}_2$ SI = 2	$z'_{2P}$		
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}$	2 <sup>010</sup> *	i	2 <sup>100</sup> *	$Cm_{(2)}^{001}$	41		<del></del> -
0	(222)	1	0	0	0	0	$2\overline{2}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
1	(111)	1	0	1	1	1	$1\overline{1}$			
		72	$2.547 I_b l$	bam Classific	ation =	$= \mathbb{Z}_M \frac{\mathbf{X}_{\mathrm{BS}}}{2^{001}} =$	$\mathbb{Z}_2$ SI = 2	$z_{2P}^{\prime}$		
$\mathbb{Z}_2$	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	(222)	1	0	0	0	0	$2\overline{2}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
1	(111)	1	1	1	1	0	11			
			$73.548 \overline{I}$		ation =	$\mathbb{Z}_2$ $X_{\mathrm{BS}} = \mathbb{Z}$	$_2$ SI $= \overline{z_2'}$	 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	0	0	0					
1	(000)	0	0	1	0		<u></u>			
	1	73.551	Ib'c'a	$\underset{\cdot}{\text{Classification}}$		$\mathbb{Z}_2  X_{\mathrm{BS}} = \mathbb{Z}_2$	SI = z	$z_{2P,2}, z_{2P}'$		
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{0\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}00}*$	i	$2^{100}_{00\frac{1}{2}}*$					
00	$(\bar{2}\bar{2}2)$	0	0	0	0					
00	(000)	0	0	0	0					
$\frac{01}{10}$	$(000)$ $(\bar{1}\bar{1}1)$	0	0	1 0	1 1					
11	$(\bar{1}\bar{1}1)$ $(\bar{1}\bar{1}1)$	0	1	1	0					
	(+++)					$\mathbb{Z}_2$ $\mathbb{X}_{\mathrm{BS}}=\mathbb{Z}_2$	7. SI = ~/	/		
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{2_{0\frac{1}{2}0}^{001}}{2_{0\frac{1}{2}0}^{001}}$	$\frac{2_{0\frac{1}{2}0}^{010}}{2_{0\frac{1}{2}0}^{010}}*$	$\frac{\text{ation}}{i}$	$\frac{\mathbb{Z}_2  \Lambda_{BS} = \mathbb{Z}}{2^{100}*}$	$z_2$ or $z_2$	2 <i>P</i>		
$\frac{2}{0}$	(222)	$\frac{1}{2}$	$\frac{2_{0\frac{1}{2}0}}{0}$	$\frac{^{2}0\frac{1}{2}0^{+}}{0}$	$\frac{\iota}{0}$	0				
$\frac{0}{1}$	(222) $(111)$	1	0	1	1	1				
	(***)		$\frac{0}{1.554}$ $Im$				7. SI =	~!		
$\overline{\mathbb{Z}_2}$	weak	$2_{0\frac{1}{2}0}^{001}$	$\frac{2^{010}_{0\frac{1}{2}0}}{2^{010}_{0\frac{1}{2}0}}$		$\frac{a_{11011}}{2^{100}}$	$= \frac{\mathbb{Z}_M^2}{Cm_{(2)}^{010}} = \frac{1}{2}$	$\frac{\omega_2}{Cm^{100}}$	~2P		
~~ Z	,, can	$-0\frac{1}{2}0$	$-0\frac{1}{2}0$			C(2)	C 110(2)			

0	(000)	0	0	0	0	$2\overline{2}$	$2\overline{2}$		
$\frac{0}{0}$	(000)	0	0	0	0	$\frac{22}{2\overline{2}}$	00		
0	(000)	0	0	0	0	00	$\frac{00}{2\overline{2}}$		
1	(000)	0	0	1	0	$\frac{00}{1\overline{1}}$	$\frac{22}{11}$		
	(000)	74.558	Im'm'a				$\mathbb{Z}_{2,2}$ SI = $z_2$		
$\mathbb{Z}_{2,2}$	weak	$\begin{array}{c c}  & 2001 \\  & 2\frac{1}{2}0 \end{array}$	$\frac{2^{010}_{0\frac{1}{2}0}*}{2^{010}_{0\frac{1}{2}0}}$	i	$\frac{1001 - 2 \times 2}{2^{100}}$ *	2 ABS —	$\mathbb{Z}_{2,2}$ $\mathfrak{I} = \mathbb{Z}_2$	$2P,2, \sim_{2P}$	
00	$(22\bar{2})$	0	0	0	0				
00	(000)	0	0	0	0				
01	(000)	0	1	1	1				
10	$(11\bar{1})$	0	0	0	0				
11	$(11\bar{1})$	0	1	1	1				
	,	74.559	Imm'a'		$on = \mathbb{Z}_M \times \mathbb{Z}_{00}$	$\mathbb{Z}  X_{BS} =$	$\mathbb{Z}_{2,2}$ $SI = z$	$z_{2P,2}, z_{2P}'$	
$\mathbb{Z}_{2,2}$	weak	$2^{001}_{0\frac{1}{2}0}*$	$2^{010}_{0\frac{1}{2}0}*$	i	2100	$Cm_{(2)}^{100}$			
00	$(2\bar{2}\bar{2})$	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	$(1\bar{1}\bar{1})$	0	0	0	0	11			
11	$(1\bar{1}\bar{1})$	1	1	1	0	20			
				nma Classi	ification = $\mathbb{Z}$	$X_M^2 = X_{BS}$	$=\mathbb{Z}_2$ $\mathrm{SI}=z_2$	7 2 <i>P</i>	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$2^{001}_{0\frac{1}{2}0}$	$2^{010}_{\frac{1}{2}00}*$	$i_{00\frac{1}{2}}*$	$2^{100}_{00\frac{1}{2}}*$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{100}$	
0	(222)	1	0	0	0	0	$2\overline{\overline{2}}$	$2\overline{2}$	
0	(000)	0	0	0	0	0	$2\overline{2}$	00	
0	(000)	0	0	0	0	0	00	$2\overline{2}$	
1	(111)	1	0	1	0	1	$1\overline{1}$	$1\overline{1}$	
		74	$.562 I_b n$	nma Classi	ification = $\mathbb{Z}$	$X_{\rm BS}$	$=\mathbb{Z}_2$ SI $=z_2$	/ 2.D	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}0\frac{1}{2}\}*$	2 <sup>010</sup> *	$2^{100}_{0\frac{1}{2}0}*$	$i_{0\frac{1}{2}0}*$	$\frac{2_{0\frac{1}{2}0}^{001}}{2_{0\frac{1}{2}0}^{001}}$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{010}$	
$\frac{-2}{0}$	(222)	1	0	$\frac{-0\frac{1}{2}0}{0}$	$\frac{0}{2}$	$\frac{-0\frac{1}{2}0}{0}$	$\frac{2\overline{2}}{2\overline{2}}$	$\frac{2\overline{2}}{2\overline{2}}$	
0	(000)	0	0	0	0	0	$\frac{22}{2\overline{2}}$	00	
0	(000)	0	0	0	0	0	00	$\frac{\overline{22}}{2}$	
1	(111)	1	1	1	0	0	$\frac{\overline{11}}{11}$	$\frac{22}{1\overline{1}}$	
	(111)		75.1 F		$\operatorname{cation} = \mathbb{Z}$	$X_{BS} = \mathbb{Z}_4$			
$\mathbb{Z}_4$	weak	$4^{001}$	10.1 F	4 Classific		$\Lambda_{\mathrm{BS}} = \mathbb{Z}_4$	$SI = z_{4C}$		
$\frac{\omega_4}{0}$	$(00\overline{4})$	0							
$\frac{}{3}$	$(004)$ $(00\bar{1})$	0							
$\frac{3}{2}$	$(00\bar{2})$	0							
1	$(00\bar{3})$	0							
	(- , - )		75.5 P=-/	1 Classifies	ation - 7	Х <sub>рс</sub> — 77 г	$SI = z_{4C}/2$	)	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{10.0  FC^2}{4^{001}}$	± Classifica	101011 — <u>22</u>	$\Lambda_{\rm BS} - \mathbb{Z}_2$	c = 24C/2	1	
$\frac{\mathbb{Z}_2}{0}$	(110)	1	0						
	(110)			1. Classifis	ention = 7	V 77	$SI = z_{4C}/2$	1	
$\overline{\mathbb{Z}_2}$	weak	1001	11.13 P	<sub>12</sub> Ciassino	ation = Z	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_2$	$s_1 = z_{4C/2}$	1	
		$4_{00\frac{1}{2}}^{001}$							
0	$(00\bar{4})$	$\frac{\bar{2}}{\bar{1}}$							
1	$(00\bar{2})$	1							
			$7.17 P_{C^2}$	$4_2$ Classific	cation = $\mathbb{Z}_2$	$X_{BS} = \overline{\mathbb{Z}}$	$Z_2$ SI = $z_{4C}/$	2	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4_{00\frac{1}{2}}^{001}$						
0	$(\overline{1}\overline{1}0)$	1	0						
			$79.25 I_{4}$	4 Classifica	$ation = \mathbb{Z}$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{4C}/2$		
$\mathbb{Z}_2$	weak	$4^{001}$					10 /		
0	$(22\bar{2})$	0							
1	$(11\overline{1})$	0							
	/	81.33 P	4 Classit	$fication = \mathbb{Z}$	$\times \mathbb{Z}_2$ Xpc	$=\mathbb{Z}_{2 2 4}$	$SI = z_{2,Weyl},$	Z2 S4 . ZAC	
			0 - 300011		2DS	-2,2,4	2, vvey1;	2,047.40	

	1	7001	7001					
$\mathbb{Z}_{2,2,4}$	weak	$\bar{4}^{001}$	$\bar{4}^{001}$					
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					
		8	$81.36 P_{c}$	$\frac{1}{c^4}$ Classifica	tion = Z	$\mathbb{Z}_2  \mathbf{X}_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$\bar{4}^{001}$	$\bar{4}^{001}$			, <del>-</del>	
0	$(00\bar{2})$	1	0	0				
1	$(00\overline{1})$	1	1	1				
	,	81.37	$P_{C}\bar{A}$	Classification	$n - \mathbb{Z}_{0}$	$X_{DG} = \mathbb{Z}_{2,2}$	$SI = z_{2,S_4}, z_{4C}/2$	
7	weak		$\frac{7.04}{4^{001}}$	$\frac{\overline{4001}}{4001}$	1 — 🖂2	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_{2,2}$	$S1 = 22, S_4, 24C/2$	
$\frac{\mathbb{Z}_{2,2}}{00}$	$(\bar{2}\bar{2}0)$	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	0	0				
10	(220) $(110)$	1	1	1				
=====	(110)		-					
			31.38 P	$_{I}4$ Classifica	tion = Z	$\mathbb{Z}_2  X_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	_
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\bar{4}^{001}$	$\bar{4}^{00\bar{1}}$				
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0				
1	$(\bar{1}\bar{1}\bar{1})$	1	1	1				
		82.39 $I\bar{4}$	Classifi	$cation = \mathbb{Z} \times$	$\mathbb{Z}_2$ $X_{\mathrm{I}}$	$\mathbb{Z}_{\mathrm{SS}} = \mathbb{Z}_{2,2,2}$ SI	$I = z_{2,\text{Weyl}}, z_{2,S_4}, z_{4C}/2$	
$\overline{\mathbb{Z}_{2,2,2}}$	weak	$\bar{4}^{001}$	$\bar{4}^{001}$			, ,	, , , , , , , , , , , , , , , , , , , ,	
000	(000)	0	0					
000	$(22\overline{2})$	0	0					
001	$(11\overline{1})$	0	0					
010	(000)	1	1					
011	$(11\overline{1})$	1	1					
			32.42 I.	4 Classifica	tion = 7	$\mathbb{Z}_2  X_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z_2 c$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{72.12}{4^{001}}$	$\frac{4001}{4001}$		22 11B5 22	~2,54	
$\frac{\omega_2}{0}$	$(\overline{2}\overline{2}\overline{2})$	1	0	0				
1	(111)	1	1	1				
	/				2 577	V 577	OI + - +	
		83.43 P4/n	i Class	$\frac{1 \text{fication} = \mathbb{Z}_2^2}{1 \text{final}}$	$\frac{1}{M} \times \mathbb{Z}$	$X_{BS} = \mathbb{Z}_{4,4,4}$	$SI = z_{4m,0}^+, z_{4m,0}^-, z_{4m,\pi}^+$	
$\mathbb{Z}_{4,4,4}$	weak	$4^{001}$	i	4001	$4^{001}$	$Cm_{(4)}^{001}$		
000	$(00\bar{12})$	0	0	0	0	$4, \overline{16}, 0, \overline{12}$		
000	(004)	0	0	0	0	0404		
000	(000)	0	0	0	0	$004\overline{4}$		
000	(000)	0	0	0	0	$00\overline{4}4$		
001	(000)	0	1	1	1	$001\overline{1}$		
002	(000)	0	0	0	0	$002\overline{2}$		
003	(000)	0	1	1	1	$003\overline{3}$		
010	(001)	0	1	1	1	0101		
011	(001)	0	0	0	0	0110		
012	(001)	0	1	1	1	$012\overline{1}$		
013	(001)	0	0	0	0	$013\overline{2}$		
020	(002)	0	0	0	0	0202		
021	(002)	0	1	1	1	0211		
022	(002)	0	0	0	0	0220		
023	(002)	0	1	1	1	$023\overline{1}$		
030	(003)	0	1	1	1	0303		
031	(003)	0	0	0	0	0312		
032	(003)	0	1	1	1	0321		

033	(003)	0	0	0	0	0330		
100	$(00\bar{3})$	0	0	0	0	$1\overline{4}0\overline{3}$		
101	$(00\bar{3})$	0	1	1	1	$1\overline{4}1\overline{4}$		
102	$(00\bar{3})$	0	0	0	0	$1\overline{4}2\overline{5}$		
103	$(00\bar{3})$	0	1	1	1	$1\overline{4}3\overline{6}$		
110	$(00\overline{2})$	0	1	1	1	$1\overline{3}0\overline{2}$		
111	$(00\bar{2})$	0	0	0	0	$1\overline{3}1\overline{3}$		
112	$(00\bar{2})$	0	1	1	1	$\frac{1\overline{3}2\overline{4}}{1\overline{3}2\overline{4}}$		
113	$(00\bar{2})$	0	0	0	0	$\frac{1324}{1\overline{3}3\overline{5}}$		
$\frac{110}{120}$	(001)	0	0	0	0	$\frac{1305}{1\overline{2}0\overline{1}}$		
$\frac{120}{121}$	$(001)$ $(00\bar{1})$	0	1	1	1	$\frac{1201}{1\overline{2}1\overline{2}}$		
$\frac{121}{122}$	(001) $(001)$	0		0	0	$\frac{1212}{1\overline{2}2\overline{3}}$		
	/		0			$\frac{1225}{1\overline{2}3\overline{4}}$		
123	$(00\bar{1})$	0	1	1	1			
130	(000)	0	1	1	1	1100		
131	(000)	0	0	0	0	1111		
132	(000)	0	1	1	1	$1\overline{1}2\overline{2}$		
133	(000)	0	0	0	0	$1\overline{1}3\overline{3}$		
200	$(00\bar{6})$	0	0	0	0	$2\overline{8}0\overline{6}$		
201	$(00\bar{6})$	0	1	1	1	$2\overline{8}1\overline{7}$		
202	$(00\bar{6})$	0	0	0	0	$2\overline{8}2\overline{8}$		_
203	$(00\bar{6})$	0	1	1	1	$2\overline{8}3\overline{9}$		
210	$(00\bar{5})$	0	1	1	1	$2\overline{7}0\overline{5}$		
211	$(00\bar{5})$	0	0	0	0	$2\overline{7}1\overline{6}$		
212	$(00\bar{5})$	0	1	1	1	$2\overline{7}2\overline{7}$		
213	$(00\overline{5})$	0	0	0	0	$2\overline{7}3\overline{8}$		
220	$(00\bar{4})$	0	0	0	0	$2\overline{6}0\overline{4}$		
221	(004)	0	1	1	1	$\frac{2\overline{6}1\overline{5}}{2\overline{6}1\overline{5}}$		
$\frac{221}{222}$	(004)	0	0	0	0	$\frac{2\overline{6}2\overline{6}}{2\overline{6}}$		
$\frac{222}{223}$	(004)	0	1	1	1	$\frac{2626}{2\overline{6}3\overline{7}}$		
$\frac{220}{230}$	$(00\bar{3})$	0	1	1	1	$\frac{2\overline{503}}{2\overline{503}}$		
$\frac{230}{231}$	$(00\bar{3})$	0	0	0	0	$\frac{2505}{2514}$		
$\frac{231}{232}$	$(00\overline{3})$	0	1	1	1	$\frac{2514}{2525}$		
$\frac{232}{233}$	$(003)$ $(00\overline{3})$					$\frac{2525}{2536}$		
		0	0	0	0			
300	$(00\bar{9})$	0	0	0	0	$3,\overline{12},0,\overline{9}$		
301	$(00\bar{9})$	0	1	1	1	$3, \overline{12}, 1, \overline{10}$		
302	$(00\bar{9})$	0	0	0	0	$3, \overline{12}, 2, \overline{11}$		
303	$(00\bar{9})$	0	1	1	1	$3, \overline{12}, 3, \overline{12}$		
310	$(00\bar{8})$	0	1	1	1	$3,\overline{11},0,\overline{8}$		
311	$(00\bar{8})$	0	0	0	0	$3, \overline{11}, 1, \overline{9}$		
312	$(00\bar{8})$	0	1	1	1	$3, \overline{11}, 2, \overline{10}$		
313	$(00\bar{8})$	0	0	0	0	$3, \overline{11}, 3, \overline{11}$		
320	$(00\bar{7})$	0	0	0	0	$3, \overline{10}, 0, \overline{7}$		
321	$(00\bar{7})$	0	1	1	1	$3, \overline{10}, 1, \overline{8}$		
322	$(00\bar{7})$	0	0	0	0	$3, \overline{10}, 2, \overline{9}$		
323	$(00\bar{7})$	0	1	1	1	$3, \overline{10}, 3, \overline{10}$		
330	$(00\bar{6})$	0	1	1	1	$3\overline{9}0\overline{6}$		
331	$(00\bar{6})$	0	0	0	0	$3\overline{9}1\overline{7}$		
332	$(00\bar{6})$	0	1	1	1	$3\overline{9}2\overline{8}$		
333	$(00\bar{6})$	0	0	0	0	$\frac{3\overline{9}3\overline{9}}{3\overline{9}3\overline{9}}$		
	(000)						CT .+ ./	
F77		83.45	$\frac{P4'/m}{\cdot}$	Classificati		$\Lambda_{\rm BS} = \mathbb{Z}_{2,4}$	$SI = z_{2m,0}^+, z_{4P}'$	
$\mathbb{Z}_{2,4}$	weak	$4^{001}*$	i	$\bar{4}^{001}*$	$\bar{4}^{001}*$	$Cm_{(2)}^{001}$		
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	$1\overline{1}00$		
	_ `	l						

	(0.0.0.)					2000			
02	(000)	0	0	0	0	$2\overline{2}00$			
01	(000)	1	1	0	0	$\frac{3\overline{3}00}{\overline{1}11\overline{1}}$			
10	(000)	0	0	0	0	1111			
13	(000)	1	1	0	0	0011			
12	(000)	0	0	0	0	1111			
11	(000)	1	<u> </u>	0	0	$2\overline{2}1\overline{1}$			
		83		m' Classif	$fication = \mathbb{Z}$	$X_{2}$ $X_{BS} =$	$=\mathbb{Z}_2$ $SI =$	$z_{2,S_4}$	
$\mathbb{Z}_2$	weak	4 <sup>001</sup> *	i*	$\bar{4}^{001}$	$\bar{4}^{001}$				
0	(000)	0	0	0	0				
1	(000)	1	0	1	1				
			$.48 P_{c}4/$	m Classifie	$cation = \mathbb{Z}_I$	$_{M}$ $X_{\mathrm{BS}}$ =	$= \mathbb{Z}_4  \text{SI} = Cm_{(4)}^{001}$	$z_{4m,0}^{+}$	
$\mathbb{Z}_4$	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}$	i	$\bar{4}^{001}$	$\bar{4}^{001}$	$Cm_{(4)}^{001}$		
0	$(00\bar{4})$	1	0	0	0	0	$4\overline{4}00$		
0	(002)	0	0	0	0	0	0000		
1	$(00\bar{1})$	1	0	1	1	1	$1\overline{1}00$		
2	$(00\bar{2})$	1	0	0	0	0	$2\overline{2}00$		
3	$(00\bar{3})$	1	0	1	1	1	$3\overline{3}00$		
		83.49	$P_C4/m$	Classification	on $= \mathbb{Z}_M^2$	$X_{BS} = \mathbb{Z}_4$	$SI = z_{\overline{A}}$	$z_{4m,\pi}^+$	
$\overline{\mathbb{Z}_{4,4}}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	4001	i	$\frac{1}{4}^{001}$	$\frac{1}{4^{001}}$	$Cm_{(4)}^{001}$	$m,0$ $4m,\pi$	
00	$(\overline{440})$	1	0	0	0	0	$\frac{4\overline{400}}{4\overline{400}}$		
00	(440)	0	0	0	0	0	$\frac{1100}{004\overline{4}}$		
00	$(\overline{2}\overline{2}0)$	1	0	0	0	0	$\frac{00\overline{44}}{00\overline{44}}$		
01	(110)	0	0	1	1	1	$\frac{0011}{0011}$		
02	(220)	0	0	0	0	0	$002\overline{2}$		
03	(330)	0	0	1	1	1	$003\bar{3}$		
10	$(\bar{1}\bar{1}0)$	1	0	1	1	1	$1\overline{1}00$		
11	(000)	0	0	0	0	0	1111		
12	(110)	0	0	1	1	1	$1\overline{1}2\overline{2}$		
13	(220)	0	0	0	0	0	$1\overline{1}3\overline{3}$		
20	$(\overline{220})$	1	0	0	0	0	$2\overline{2}00$		
21	$(\overline{1}\overline{1}0)$	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	(110)	0	0	1	1	1	$2\overline{2}3\overline{3}$		
30	$(\bar{3}\bar{3}0)$	1	0	1	1	1	$3\overline{3}00$		
31	$(\bar{2}\bar{2}0)$	1	0	0	0	0	$3\overline{3}1\overline{1}$		
32	$(\bar{1}\bar{1}0)$	1	0	1	1	1	$3\overline{3}2\overline{2}$		
33	(000)	0	0	0	0	0	$3\overline{3}3\overline{3}$		
		83	$.50 P_{I}4/$	m Classifie	$cation = \mathbb{Z}_I$	$_{M}$ $X_{BS}$ =	$=\mathbb{Z}_4$ SI $=$	$z_{4m,0}^{+}$	
$\mathbb{Z}_4$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}$	i	$\bar{4}^{001}$	$\bar{4}^{001}$	$Cm_{(4)}^{001}$	1770,0	
0	$(\bar{4}\bar{4}\bar{4})$	1	0	0	0	0	$4\overline{400}$		
0	(222)	0	0	0	0	0	0000		
1	$(\overline{1}\overline{1}\overline{1})$	1	0	1	1	1	$1\overline{1}00$		
2	$(\overline{2}\overline{2}\overline{2})$	1	0	0	0	0	$2\overline{2}00$		
3	$(\overline{3}\overline{3}\overline{3})$	1	0	1	1	1	$3\overline{3}00$		
		84.51 <i>F</i>	$P4_2/m$ C	lassification	$= \mathbb{Z}_M \times \mathbb{Z}$	Хрс =		$z_{2m,\pi}^+, z_{4m,0}^+$	
$\overline{\mathbb{Z}_{2,4}}$	weak	$4^{001}_{00\frac{1}{2}}$	$\frac{i}{i}$	$\frac{\bar{4}^{001}_{00\frac{1}{2}}}{\bar{4}^{00\frac{1}{2}}}$	$\frac{\bar{4}^{001}_{00\frac{1}{2}}}{\bar{4}^{001}_{00\frac{1}{2}}}$	$Cm_{(4)}^{001}$	2,4 51	$\sim 2m, \pi, \sim 4m, 0$	
		$\frac{4_{00\frac{1}{2}}}{2}$							
00	(004)	0	0	0	0	$\frac{0422}{4\overline{4}00}$			
00	(000)	0	0	0	0	0000			
00	(000)	0	$\frac{0}{1}$	1	1	$\frac{0000}{1\overline{1}00}$			
$\frac{01}{02}$	(000)	0	0	0	0	$\frac{1100}{2\overline{2}00}$			
$\frac{02}{03}$	(000)	0	1	1	1	$\frac{2200}{3\overline{3}00}$			
10	$(000)$ $(00\bar{2})$	1	1	0	0	0211			
10	(002)	1	1	U	U	0411			

11	$(00\bar{2})$	Ī	0	1	1	1111		
12	$(00\bar{2})$	1	1	0	0	2011		
13	$(00\overline{2})$	Ī	0	1	1	$3\overline{1}11$		
		84.	$.53  P4'_{2}/r$	n Classifi	$cation = \mathbb{Z}_{N}$	1 X <sub>BS</sub> =	$= \mathbb{Z}_2  \mathrm{SI} = z_{2m,0}^+$	
$\mathbb{Z}_2$	weak	$4_{00\frac{1}{2}}^{001}*$	i	$\bar{4}^{001}_{00\frac{1}{2}}*$	$\bar{4}^{001}_{00\frac{1}{2}}*$	$Cm_{(2)}^{001}$	2 2111,0	
0	(000)	00 2	0	00 ½	00 ½	$\frac{1}{2\overline{2}00}$		
0	(000)	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$		
1	(000)	1	1	0	0	$1\overline{1}00$		
	,		$1.55   P4'_2/$	m' Classi	$fication = \mathbb{Z}$		$=\mathbb{Z}_2$ $\mathrm{SI}=z_{2,S_4}$	
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{00\frac{1}{2}}*$	$\frac{i*}{i*}$	$\frac{777}{4^{001}_{00\frac{1}{2}}}$	$\frac{\bar{4}^{001}_{00\frac{1}{2}}}{\bar{4}^{001}_{00\frac{1}{2}}}$	2 1105	22 51 ~2,54	
$\frac{-2}{0}$	(000)	$0^{-00\frac{1}{2}}$	0	$0^{-00\frac{1}{2}}$	$0^{-00\frac{1}{2}}$			
1	(000)	1	0	1	1			
	(000)		$\frac{1}{156} P_c 4_2 / 2$			. Yng -	$= \mathbb{Z}_4  \text{SI} = z_{4m,0}^+$	
$\overline{\mathbb{Z}_4}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{100  T_c 42/3}{4^{001} *}$	$\frac{i}{i}$	$\frac{1001 - 24}{4001}$	$\frac{4 \text{ ABS}}{4^{001}}*$	$\frac{-24  51 - 24m,0}{Cm_{(4)}^{001}}$	
$\frac{224}{0}$	$(00\overline{4})$	$\frac{\{1 00\frac{\pi}{2}\}^*}{1}$	0	0	0	0	$\frac{Cm_{(4)}}{4\overline{4}00}$	
0	(004) $(002)$	0	0	0	0	0	0000	
1	(001)	1	1	1	0	0	$\frac{1100}{100}$	
2	$(00\bar{2})$	1	0	0	0	0	$\frac{1100}{2\overline{2}00}$	
3	$(00\bar{3})$	1	1	1	0	0	$3\overline{3}00$	
	, ,	84.	$57 P_C 4_2 /$	m. Classif	$ication = \mathbb{Z}_I$	M Xpg :	$=\mathbb{Z}_4$ $\operatorname{SI}=z_{4m,0}^+$	
$\overline{\mathbb{Z}_4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{4^{001}_{00\frac{1}{2}}}{4^{001}_{00\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{4^{001}}{4^{00\frac{1}{2}}}$	$\frac{4001}{400\frac{1}{2}}$	$Cm_{(4)}^{001}$	
0	(440)	1	$\frac{100\frac{1}{2}}{0}$	0	$\frac{100\frac{1}{2}}{0}$	$\frac{100\frac{1}{2}}{0}$	$\frac{4\overline{400}}{4\overline{400}}$	
0	$(\bar{2}\bar{2}0)$	0	0	0	0	0	0000	
1	(110)	1	0	1	1	1	$\frac{1100}{1}$	
2	(220)	1	0	0	0	0	$2\overline{2}00$	
3	(330)	1	0	1	1	1	$3\overline{3}00$	
	, ,	84.	$58 P_I 4_2 / 2$	m Classif	$ication = \mathbb{Z}_{\Lambda}$	1 Xrs =	$= \mathbb{Z}_4  \text{SI} = z_{4m,0}^+$	
$\overline{\mathbb{Z}_4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}\frac{1}{2}0}*$	i	$\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$\frac{400\overline{1}}{4^{00}\underline{1}_{\frac{1}{2}\frac{1}{2}0}}*$	$Cm_{(4)}^{001}$	
0	$(\overline{4}\overline{4}\overline{4})$	1	$\frac{\frac{1}{2} \frac{1}{2} 0}{0}$	0	$\frac{\overline{2}\overline{2}^{0}}{0}$	$\frac{\overline{2}\overline{2}^{0}}{0}$	$\frac{4400}{4400}$	
0	(222)	0	0	0	0	0	0000	
1	$(\overline{1}\overline{1}\overline{1})$	1	1	1	0	0	$1\overline{1}00$	
2	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0	$2\overline{2}00$	
3	$(\bar{3}\bar{3}\bar{3})$	1	1	1	0	0	$3\overline{3}00$	
		85.59	P4/n C	lassification	$n = \mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = Z$	$\mathbb{Z}_{2,4}  \text{SI} = z_{2,S_4}, z_{4C}$	
$\overline{\mathbb{Z}_{2,4}}$	weak	$4^{001}_{\frac{1}{2}00}$	i	$\bar{4}^{001}_{rac{1}{2}00}$	$\bar{4}^{001}_{0\frac{1}{2}0}$		, -	
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			
$\frac{12}{13}$	(002)	0	1 1	1	1 1			
	(003)					37	77 CT /	
	1					$_{2}$ $\Lambda_{\mathrm{BS}} =$	$\mathbb{Z}_2$ $\mathrm{SI} = z'_{2P}$	
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}00}*$	i	$\bar{4}^{001}_{\frac{1}{2}00}*$	$\bar{4}^{001}_{0\frac{1}{2}0}*$			
0	(000)	0	0	0	0			
1	(000)	1	1	0	0		- 07	
			5.63 P4'/	n' Classif	$\overline{\text{ication}} = \mathbb{Z}_2$	$X_{BS} =$	$\mathbb{Z}_2$ $SI = z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}00}*$	i*	$\bar{4}^{001}_{rac{1}{2}00}$	$\bar{4}^{001}_{0\frac{1}{2}0}$			
0	(000)	0	0	0	0			

1	(000)	1	0	1	1		
	, ,	85	$6.64 P_{c}4$	/n Classifi	$\operatorname{cation} = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}$	i	$\bar{4}^{001}_{\frac{1}{2}00}$	$\frac{\bar{4}_{001}^{001}}{\bar{4}_{0\frac{1}{2}0}^{001}}$	2,04
0	$(00\bar{2})$	1	$\frac{1}{2}$ 00	0	$\frac{1}{2}00$	$\frac{0}{2}$ 0	
1	$(00\overline{1})$	1	0	1	1	1	
		85	$0.65 P_{C}4$	/n Classif	ication = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}$	$_2$ SI = $z_{2,S_4}$
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{\frac{1}{2}00}$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}_{0\frac{1}{2}0}*$	$\bar{4}^{001}_{\frac{1}{2}00}*$	
0	(220)	1	0	0	0	0	
1	(110)	1	0	0	0	0	
		85	$0.66 P_{I}4$	/n Classifi	ication = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$_{2}$ $\mathrm{SI}=z_{2,S_{4}}$
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{00\bar{1}}_{\frac{1}{2}0\frac{1}{2}}*$	
0	(222)	1	0	0	0	0	
1	(111)	1	0	0	0	0	
-			$P4_2/n$ C		$\mathbb{Z} = \mathbb{Z}  imes \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_{2,2}$	$SI = z_{2,S_4}, z_{4C}/2$
$\mathbb{Z}_{2,2}$	weak	$4_{0\frac{1}{2}\frac{1}{2}}^{001}$	i	$\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$		
00	(000)	0	0	0	0		
00	$(00\bar{4})$	$\frac{\bar{2}}{\bar{1}}$	0	0	0		
$\frac{01}{10}$	$(00\bar{2})$ $(000)$	0	1 1	0	<u>0</u> 1		
11	$(000)$ $(00\bar{2})$	<u> </u>	0	1	1		
	(00-)			/n Classit	$\frac{1}{1}$	$X_{DC} = \mathbb{Z}$	$Z_2$ SI = $Z'_{2P}$
$\overline{\mathbb{Z}_2}$	weak	$4_{0\frac{1}{2}\frac{1}{2}}^{001}*$	$\frac{i}{i}$	$\frac{4001}{40\frac{1}{2}\frac{1}{2}}*$	$\frac{\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}}{4^{001}_{\frac{1}{2}0\frac{1}{2}}}$	2 1105 22	·2 ~1 ~2p
0	(000)	0 = = =	0	0 = =	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$		
1	(000)	1	1	0	0		
		86	.71 P4 <sub>2</sub> /	/n' Classif	$ication = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}$	$SI = z_{2,S_4}$
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{0\frac{1}{2}\frac{1}{2}}*$	<i>i</i> *	$\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{00\bar{1}}_{\frac{1}{2}0\frac{1}{2}}$		)·- <del>*</del>
0	(000)	0	0	0	0		
1	(000)	1	0	1	1		
		86	.72 $P_c4_2$	/n Classif			$SI = z_{2,S_4}$
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}_{0\frac{1}{2}0}*$	i	$\bar{4}^{001}_{0\frac{1}{2}0}*$	$\bar{4}^{001}_{\frac{1}{2}00}*$	
0	(002)	1	0	0	0	0	
1	(001)	1	1	1	0	0	
			$.73 P_C 4_2$	-		$X_{\rm BS} = \mathbb{Z}$	$Z_2$ SI = $z_{2,S_4}$
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4_{0\frac{1}{2}\frac{1}{2}}^{001}$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}*$	
0	$(\bar{2}\bar{2}0)$	1	0	0	0	0	
1	$(\bar{1}\bar{1}0)$	1	0	0	0	0	
	1			,	fication = $\mathbb{Z}_2$		$SI = z_{2,S_4}$
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}*$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}$	$\bar{4}_{\frac{1}{2}0\frac{1}{2}}^{00\bar{1}}$	
$\frac{0}{1}$	(222) (111)	1	0	0	0	0	
1	(111)	=	<del>-</del>				CI "+ "-
77	weak	87.75 I	$\frac{i/m}{i}$ Cia	$\frac{\text{ssification}}{\bar{4}^{001}} =$	$\frac{= \mathbb{Z}_M \times \mathbb{Z}}{\overline{4}^{001}}$	$\Lambda_{\text{BS}} = \mathbb{Z}_{4,4}$ $C_{\text{m}}^{001}$	$SI = z_{4m,87}^+, z_{4m,87}^-$
$\frac{\mathbb{Z}_{4,4}}{00}$	$(44\overline{4})$	0	$\frac{\imath}{0}$	0	0	$Cm_{(4)}^{001}$ 44	
00	(000)	0	0	0	0	$\frac{44}{4\overline{4}}$	
00	(000)	0	0	0	0	00	
01	(000)	0	1	1	1	$1\overline{1}$	
02	(000)	0	0	0	0	$2\overline{2}$	
03	(000)	0	1	1	1	33	
$\frac{10}{11}$	$\begin{array}{c c} (11\overline{1}) \\ \hline (11\overline{1}) \end{array}$	0	0	0 1	0 1	11 20	
11	(111)	U	T	T	T	40	

		т						
12	$(11\bar{1})$	0	0	0	0	$3\overline{1}$		
13	$(11\bar{1})$	0	1	1	1	$4\overline{2}$		
20	$(22\bar{2})$	0	0	0	0	22		
21	$(22\bar{2})$	0	1	1	1	31		
22	$(22\bar{2})$	0	0	0	0	40		
23	$(22\bar{2})$	0	1	1	1	$5\overline{1}$		
30	$(33\bar{3})$	0	0	0	0	33		
31	$(33\bar{3})$	0	1	1	1	42		
32	$(33\bar{3})$	0	0	0	0	51		
33	$(33\bar{3})$	0	1	1	1	60		
		8'	7.77 I4'/r	m Classifi	$ication = \mathbb{Z}_{I}$	$X_{BS} = \mathbb{Z}$	$SI = z'_{4P}$	
$\mathbb{Z}_4$	weak	4 <sup>001</sup> *	i	$\bar{4}^{001}*$	$\bar{4}^{001}*$	$Cm_{(2)}^{001}$		
0	(000)	0	0	0	0	$\frac{(2)}{4\overline{4}}$		
0	(000)	0	0	0	0	00		
3	(000)	1	1	0	0	$1\overline{1}$		
2	(000)	0	0	0	0	$2\overline{2}$		
1	(000)	1	1	0	0	$3\overline{3}$		
	/	87	7.79 I4'/r	n' Classif	$ication = \mathbb{Z}_2$	$X_{DG} = \mathbb{Z}_0$	$SI = z_{2,S_4}$	
$\overline{\mathbb{Z}_2}$	weak	4001*	$\frac{i*}{i*}$	$\frac{\pi}{4^{001}}$	$\frac{10001 - 202}{4001}$	<u>∠ 1+B5 — 22</u>	~1 ~2,54	
$\frac{2}{0}$	(000)	0	0	0	0			
1	(000)	1	0	1	1			
	(000)		$\frac{0}{180 I_c 4/m}$		$\operatorname{ation} = \mathbb{Z}_M$	V 77	CIT	
	1		$\frac{160 I_c 4/m}{4^{001}}$		$\frac{\text{ation} = \mathbb{Z}_M}{\bar{4}^{001}}$	$\frac{\Lambda_{\rm BS} = \mathbb{Z}_4}{\bar{4}^{001}}$	$SI = z_{4m,87}^-$	
$\mathbb{Z}_4$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$		i			$Cm_{(4)}^{001}$	
0	$(\bar{4}\bar{4}\bar{4})$	1	0	0	0	0	$4\overline{4}$	
0	(222)	0	0	0	0	0	00	
1	$(\bar{1}\bar{1}\bar{1})$	1	0	1	1	1	11	
2	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0	$2\overline{2}$	
3	$(\bar{3}\bar{3}\bar{3})$	1	0	1	1	1	$3\overline{3}$	
		88.81			$n = \mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_{2,2}$	$SI = z_{2,S_4}, z'_{2P}$	
$\mathbb{Z}_{2,2}$	weak	$4^{001}_{\frac{\bar{1}}{4}\frac{1}{4}\frac{1}{4}}$	i	$ar{4}^{001}_{rac{ar{1}}{4}rac{1}{4}rac{1}{4}}$	$\bar{4}^{001}_{rac{1}{4}rac{1}{4}rac{1}{4}}$			
00	$(\bar{4}\bar{4}4)$	$\bar{2}$	0	0	0			
00	$(44\overline{4})$	2	0	0	0			
01	$(22\bar{2})$	1	1					
10		1	1	0	0			
	$(\bar{2}\bar{2}2)$	$\frac{1}{1}$	0	1	0 1			
11	$(\bar{2}\bar{2}2)$ $(000)$		-					
11	· /	1 0	0	1	1	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	
	(000)	0 8	0 1 88.83 I4' <sub>1</sub> /	$\frac{1}{1}$ /a Classif	$\frac{1}{1}$ $\frac{1}{1}$ $\text{fication} = \mathbb{Z}_2$	$_{2}$ $X_{\mathrm{BS}}=\mathbb{Z}_{2}$	$SI = z'_{2P}$	
$\mathbb{Z}_2$	(000) weak	$ \begin{array}{c c} \bar{1} & 0 \\ \hline & 4\frac{001}{\frac{1}{4}\frac{1}{4}\frac{1}{4}} * \end{array} $	$\frac{0}{1}$ $\frac{1}{88.83}$ $i$	$ \frac{1}{1} $ 7a Classif $ \frac{\bar{4}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{001}}{4^{\frac{1}{4}\frac{1}{4}\frac{1}{4}}} * $	$ \frac{1}{1} $ Sication = $\mathbb{Z}_2$ $ \frac{\bar{4}_{14}^{001}}{\bar{4}_{14}^{14}} *$	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z'_{2P}$	
$\frac{\mathbb{Z}_2}{0}$	(000) weak (000)	$ \begin{array}{c c} \hline 1 & 0 \\ \hline 0 & 8 \\ \hline 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} * \\ \hline 0 & 0 \end{array} $	$ \begin{array}{c c} 0 \\ \hline 1 \\ 88.83 & I4'_{1}, \\ i \\ 0 \end{array} $	$ \begin{array}{c} 1 \\ 1 \\ \hline                              $	$ \frac{1}{1} $ fication = $\mathbb{Z}_2$ $ \frac{\bar{4}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{001}}{0} $	$_{2}$ $X_{\mathrm{BS}}=\mathbb{Z}_{2}$	$SI = z'_{2P}$	
$\mathbb{Z}_2$	(000) weak	$ \begin{array}{c c} \hline 1 \\ 0 \\ \hline 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} * \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} 0 \\ \hline 1 \\ 88.83 & I4'_{1}, \\ i \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 1 \\ \hline 1 \\ \hline 4 & \text{Classif} \\ \hline 4 & \frac{1}{4} & \frac{1}{4} & * \\ 0 \\ 0 \end{array} $	$ \frac{1}{1} $ fication = $\mathbb{Z}_2$ $ \frac{4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}}{0} *$ 0			
$ \begin{array}{c c}  & \mathbb{Z}_2 \\ \hline  & 0 \\ \hline  & 1 \end{array} $	(000) weak (000) (000)	$ \begin{array}{c c} \hline 1 & 0 \\ \hline  & & 8 \\ \hline  & 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} * \\ \hline  & 0 \\ \hline  & 1 \\ \hline  & 88 \\ \hline \end{array} $	$ \begin{array}{c c} 0 \\ \hline 1 \\ 88.83 & I4'_{1/} \\ i \\ 0 \\ \hline 1 \\ 8.85 & I4'_{1/} \\ \end{array} $	$ \begin{array}{c c} 1 \\ 1 \\ \hline                              $	$ \frac{1}{1} $ fication = $\mathbb{Z}_2$ $ \frac{4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}}{0} $ $0$ fication = $\mathbb{Z}_2$		$SI = z'_{2P}$ $SI = z_{2,S_4}$	
$\frac{\mathbb{Z}_2}{0}$	(000) weak (000)	$ \begin{array}{c c} \hline 1 & 0 \\ \hline  & & 8 \\ \hline  & 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} * \\ \hline  & 0 \\ \hline  & 1 \\ \hline  & 88 \\ \hline \end{array} $	$ \begin{array}{c c} 0 \\ \hline 1 \\ 88.83 & I4'_{1}, \\ i \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} 1 \\ 1 \\ \hline                              $	$ \frac{1}{1} $ fication = $\mathbb{Z}_2$ $ \frac{4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}}{0} $ $0$ fication = $\mathbb{Z}_2$			
$ \begin{array}{c c}  & \mathbb{Z}_2 \\ \hline  & 0 \\ \hline  & 1 \end{array} $	(000) weak (000) (000)	$ \begin{array}{c c} \hline 1 \\ 0 \\ \hline 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} * \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} 0 \\ \hline 1 \\ 88.83 & I4'_{1/} \\ i \\ 0 \\ \hline 1 \\ 8.85 & I4'_{1/} \\ \end{array} $	$ \begin{array}{c} 1 \\ \hline 1 \\ \hline 4 & \text{Classif} \\ \hline 4 & \frac{1}{4} & \frac{1}{4} & * \\ 0 \\ 0 \end{array} $	$ \frac{1}{1} $ fication = $\mathbb{Z}_2$ $ \frac{4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}}{0} *$ 0			
	(000)  weak (000) (000)  weak	$ \begin{array}{c c} \hline 1 & 0 \\ \hline & 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} * \\ 0 & 1 \\ \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 c} 0 \\ \hline 1 \\ 88.83 & I4'_{1/2} \\ \hline 0 \\ \hline 1 \\ 8.85 & I4'_{1/2} \\ \hline i* \end{array} $	$ \begin{array}{c} 1 \\ 1 \\ \hline 4 & \text{Classif} \\ \hline 4 & \frac{1}{4} & \frac{1}{4} & \frac{1}{4} \\ 0 \\ 0 \\ 0 \\ a' & \text{Classifi} \\ \hline 4 & \frac{1}{4} & \frac{1}{4} & \frac{1}{4} \end{array} $	$ \frac{1}{1} $ fication = $\mathbb{Z}_2$ $ \frac{4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}}{0} $ $0$ fication = $\mathbb{Z}_2$ $ \frac{4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}}{4^{\frac{1}{4}\frac{1}{4}}} $			
	(000)  weak (000) (000)  weak (000)	$ \begin{array}{c c} \hline 1\\ 0\\ \hline & & & & \\ 4\frac{001}{\frac{1}{4}\frac{1}{4}} *\\ 0\\ & & & \\ 1\\ \hline & & & \\ 88\\ 4\frac{001}{\frac{1}{4}\frac{1}{4}} *\\ 0\\ & & & \\ & & & \\ 1\\ \end{array} $	$ \begin{array}{c c} 0 \\ \hline 1 \\ 88.83 & I4'_{1/i} \\ \hline 0 \\ 1 \\ \hline 8.85 & I4'_{1/i} \\ \hline 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} 1 \\ 1 \\ \hline 1 \\ \hline 4 & Classifi \\ \hline 4 & 1 \\ \hline 4 & 1 \\ \hline 4 & 1 \\ \hline 0 \\ 0 \\ 0 \\ \hline a' & Classifi \\ \hline 4 & 1 \\ \hline 0 \\ 1 \\ \end{array} $	$ \begin{array}{c} 1 \\ 1 \\ \hline 2 \\ \hline 4 \\ \hline 4 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$\chi_{ m BS}=\mathbb{Z}_2$	$SI = z_{2,S_4}$	
	(000)  weak (000) (000)  weak (000)	$\begin{array}{c c} \bar{1} \\ 0 \\ \hline & 0 \\ \hline & 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} * \\ 0 \\ 1 \\ \hline & 88 \\ \hline & 4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} * \\ 0 \\ 1 \\ \hline & 1 \\ \hline & 88 \\ \hline \end{array}$	$0 \\ 1 \\ 88.83  I4'_{1/2} \\ i \\ 0 \\ 1 \\ 8.85  I4'_{1/2} \\ i* \\ 0 \\ 0 \\ 8.86  I_c4_{1/2} \\ 0$	$ \begin{array}{c c} 1 \\ 1 \\ \hline 1 \\ \hline 4 & Classifi \\ \hline 4 & 1 \\ \hline 4 & 1 \\ \hline 4 & 1 \\ \hline 0 \\ 0 \\ 0 \\ \hline a' & Classifi \\ \hline 4 & 1 \\ \hline 0 \\ 1 \\ \end{array} $	$\begin{array}{c} 1 \\ 1 \\ 1 \\ \hline 2 \\ \hline 2 \\ \hline 4 \\ \hline 2 \\ \hline 1 \\ \hline 1 \\ \hline 1 \\ \hline 2 \\ \hline 3 \\ \hline 4 \\ \hline 5 \\ \hline 5 \\ \hline 5 \\ \hline 5 \\ \hline 6 \\$	$X_{ m BS}=\mathbb{Z}_2$ $X_{ m BS}=\mathbb{Z}_2$		
	weak (000)  weak (000)  weak (000)  weak (000)  weak	$ \begin{array}{c c} \hline 1\\ 0\\ \hline & 0\\ \hline & 4\frac{001}{\frac{1}{4}\frac{1}{4}} *\\ 0\\ & 1\\ \hline & 88\\ \hline & 4\frac{001}{\frac{1}{4}\frac{1}{4}} *\\ 0\\ & 1\\ \hline & 88\\ \hline & \{1 \frac{1}{2}\frac{1}{2}0\} *\\ \end{array} $	$ \begin{array}{c c} \hline 0 \\ \hline 1 \\ \hline 88.83 & I4'_{1/2} \\ \hline 0 \\ \hline 1 \\ \hline 8.85 & I4'_{1/2} \\ \hline i* \\ 0 \\ \hline 0 \\ \hline 8.86 & I_c4_{1/2} \\ \hline 4^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}} \end{array} $	$ \begin{array}{c c} 1 \\ 1 \\ \hline 1 \\ \hline 1 \\ \hline 4 \\ \hline 4 \\ \hline 4 \\ \hline 4 \\ 1 \\ 4 \\ 4 \\ 4 \\ 4 \\ \hline 4 \\ 4 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c c} 1 \\ 0 \\ 0 \\ 0 \\ a' & \text{Classifi} \\ \hline 4 \\ \hline 4 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c c} 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \end{array} $	$\begin{array}{c} 1\\ 1\\ 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\$	$X_{ m BS} = \mathbb{Z}_2$ $X_{ m BS} = \mathbb{Z}_2$ $\frac{1}{4} \frac{1}{4} $	$SI = z_{2,S_4}$	
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \mathbb{Z}_2 \\ 0 \\ 1 \\ \mathbb{Z}_2 \\ 0 \\ 0 \end{array} $	(000)  weak (000) (000)  weak (000) (000)  weak (222)	$ \begin{array}{c c} \hline 1\\ 0\\ \hline &0\\ \hline &4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} *\\ 0\\ &1\\ \hline &88\\ \hline &4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}} *\\ 0\\ &1\\ \hline &88\\ \hline &\{1 \frac{1}{2}\frac{1}{2}0\} *\\ \hline &1\\ \end{array} $	$ \begin{array}{c c} 0\\ 1\\ 88.83 & I4'_{1/2}\\ \hline 0\\ 1\\ 8.85 & I4'_{1/2}\\ \hline i*\\ 0\\ 0\\ 8.86 & I_c4_{1/2}\\ \hline 4^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}}\\ 0\\ \end{array} $	$ \begin{array}{c c} 1 \\ 1 \\ \hline 1 \\ \hline 1 \\ \hline 4 \\ \hline 6 \\ \hline 7 a Classifi $	$\begin{array}{c} 1\\ 1\\ 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\$	$X_{ m BS} = \mathbb{Z}_2$ $X_{ m BS} = \mathbb{Z}_2$ $\overline{4}_{rac{101}{4}rac{1}{4}rac{1}{4}}^{01}$ $0$	$SI = z_{2,S_4}$	
	weak (000)  weak (000)  weak (000)  weak (000)  weak	$ \begin{array}{c c} \hline 1\\ 0\\ \hline 8\\ 4^{001}_{\frac{1}{4}\frac{1}{4}} *\\ 0\\ 1\\ \hline 1\\ 8\\ 4^{001}_{\frac{1}{4}\frac{1}{4}} *\\ 0\\ 1\\ \hline 1\\ \hline 8\\ \{1 \frac{1}{2}\frac{1}{2}0\} *\\ 1\\ 1\\ \end{array} $	$ \begin{array}{c c} 0\\ \hline 1\\ 88.83 & I4'_{1/}\\ \hline 0\\ 1\\ 8.85 & I4'_{1/}\\ \hline 0\\ 0\\ 8.86 & I_c4_{1/}\\ \hline 4^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}}\\ \hline 0\\ 0\\ 0 \end{array} $	$ \begin{array}{c c} 1 \\ 1 \\ \hline 1 \\ \hline 4 & \text{Classiff} \\ \hline 4 & \frac{1}{4} & \frac{1}{4} & \frac{1}{4} \\ 0 \\ 0 \\ \hline 0 \\ \hline 4 & \text{Classiff} \\ \hline 4 & \frac{1}{4} & \frac{1}{4} & \frac{1}{4} \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ 0 \\ 1 \end{array} $	$\begin{array}{c} 1\\ 1\\ 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\$	$X_{\rm BS} = \mathbb{Z}_2$ $X_{\rm$	$\mathrm{SI}=z_{2,S_4}$ $\mathrm{SI}=z_{2,S_4}$	
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \mathbb{Z}_2 \\ 0 \\ 1 \\ \mathbb{Z}_2 \\ 0 \\ 1 \\ 1 \end{array} $	weak (000)  weak (000)  weak (000)  weak (200)  weak (222) (111)	$ \begin{array}{c c} \hline 1\\ 0\\ \hline 8\\ 4^{001}_{\frac{1}{4}\frac{1}{4}} *\\ 0\\ 1\\ \hline 8\\ 4^{001}_{\frac{1}{4}\frac{1}{4}} *\\ 0\\ 1\\ \hline 1\\ \hline 8\\ \{1 \frac{1}{2}\frac{1}{2}0\} *\\ 1\\ 1\\ \hline 89.9$	$ \begin{array}{c c} 0\\ \hline 1\\ 88.83 & I4'_{1/}\\ \hline 0\\ 1\\ 8.85 & I4'_{1/}\\ \hline 0\\ 0\\ 8.86 & I_c4_{1/}\\ \hline 4^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}}\\ 0\\ 0\\ 0\\ \hline 0\\ P42'2' \end{array} $	$ \begin{array}{c c} 1 \\ 1 \\ \hline 1 \\ \hline 4 & \text{Classifi} \\ \hline 4 & \frac{1}{4} & \frac{1}{4} & \frac{1}{4} \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 4 & \text{Classifi} \\ \hline 4 & \frac{1}{4} & \frac{1}{4} \\ \hline 0 \\ 1 \\ \hline Classifi \\ 0 \\ 1 \end{array} $	$\begin{array}{c} 1\\ 1\\ 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\$	$X_{\rm BS} = \mathbb{Z}_2$ $X_{\rm$	$SI = z_{2,S_4}$	
	weak (000)  weak (000)  weak (000)  weak (222) (111)  weak	$ \begin{array}{c c} \hline 1\\ 0\\ \hline 8\\ 4^{001}_{\frac{1}{4}\frac{1}{4}} *\\ 0\\ 1\\ \hline 8\\ 4^{001}_{\frac{1}{4}\frac{1}{4}} *\\ 0\\ 1\\ \hline 8\\ \{1 \frac{1}{2}\frac{1}{2}0\} *\\ \hline 1\\ \hline 89.9$	$ \begin{array}{c c} 0\\ 1\\ 88.83 & I4_{1/2}'\\ \hline 0\\ 1\\ 8.85 & I4_{1/2}'\\ \hline 0\\ 0\\ 8.86 & I_{c}4_{1/2}\\ \hline 4_{\frac{1}{4},\frac{1}{4},\frac{1}{4}}^{001}\\ 0\\ 0\\ 0\\ 0\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	$\begin{array}{c c} 1 \\ \hline 1 \\ 1 \\$	$\begin{array}{c} 1\\ 1\\ 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\$	$X_{\rm BS} = \mathbb{Z}_2$ $X_{\rm$	$\mathrm{SI}=z_{2,S_4}$ $\mathrm{SI}=z_{2,S_4}$	
$ \begin{array}{c c} \mathbb{Z}_2 \\ 0 \\ 1 \\ \mathbb{Z}_2 \\ 0 \\ 1 \\ \mathbb{Z}_2 \\ 0 \\ 1 \\ 1 \end{array} $	weak (000)  weak (000)  weak (000)  weak (200)  weak (222) (111)	$ \begin{array}{c c} \hline 1\\ 0\\ \hline 8\\ 4^{001}_{\frac{1}{4}\frac{1}{4}} *\\ 0\\ 1\\ \hline 8\\ 4^{001}_{\frac{1}{4}\frac{1}{4}} *\\ 0\\ 1\\ \hline 1\\ \hline 8\\ \{1 \frac{1}{2}\frac{1}{2}0\} *\\ 1\\ 1\\ \hline 89.9$	$ \begin{array}{c c} 0\\ \hline 1\\ 88.83 & I4'_{1/}\\ \hline 0\\ 1\\ 8.85 & I4'_{1/}\\ \hline 0\\ 0\\ 8.86 & I_c4_{1/}\\ \hline 4^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}}\\ 0\\ 0\\ 0\\ \hline 0\\ P42'2' \end{array} $	$ \begin{array}{c c} 1 \\ 1 \\ \hline 1 \\ \hline 4 & \text{Classifi} \\ \hline 4 & \frac{1}{4} & \frac{1}{4} & \frac{1}{4} \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 4 & \text{Classifi} \\ \hline 4 & \frac{1}{4} & \frac{1}{4} \\ \hline 0 \\ 1 \\ \hline Classifi \\ 0 \\ 1 \end{array} $	$\begin{array}{c} 1\\ 1\\ 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\ \hline 1\\$	$X_{\rm BS} = \mathbb{Z}_2$ $X_{\rm$	$\mathrm{SI}=z_{2,S_4}$ $\mathrm{SI}=z_{2,S_4}$	

3	$(00\bar{1})$	0	0	0	
2	$(00\overline{2})$	0	0	0	
1	$(00\overline{3})$	0	0	0	
	, , ,	90	.98 P42' <sub>1</sub> 2'	Classification = $\mathbb{Z} \times \mathbb{Z}_2$	$X_{\rm BS} = \mathbb{Z}_4  \text{SI} = z_{4C}$
$\overline{\mathbb{Z}_4}$	weak	$4^{001}_{rac{1}{2}rac{1}{2}0}$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	2 <sup>110</sup> *	2 00 4
0	(004)	$\frac{1}{2}\frac{1}{2}0$	$\frac{1}{2}\frac{1}{2}0$	0	
0	(000)	0	1	<u> </u>	
1	(001)	0	0	0	
2	(002)	0	0	0	
3	(003)	0	0	0	
	, ,	93.1	$22  P4_{2}2'2'$	Classification = $\mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$ $SI = z_{4C}/2$
$\overline{\mathbb{Z}_2}$	weak	$4_{00\frac{1}{2}}^{001}$	2 <sup>100</sup> *	$2^{110}_{00\frac{1}{2}}*$	2 20 2 10/
0	(004)	$\frac{00_2}{2}$	0	0	
0	(000)	0	1	1	
1	(002)	1	1	0	
		94.13	$\frac{1}{30} P4_{2}2_{1}'2'$	Classification = $\mathbb{Z} \times \mathbb{Z}_2$	$X_{\rm BS} = \mathbb{Z}_2  \text{SI} = z_{4C}/2$
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	2 <sup>110</sup> *	2 50 2 10 /
0	(004)	$\frac{\frac{1}{2}\frac{1}{2}\frac{1}{2}}{2}$	$\frac{\bar{z}\bar{z}\bar{z}}{0}$	0	
0	(000)	0	1	1	
1	(002)	1	0	1	
	, ,	97.1	154 I42'2'	Classification = $\mathbb{Z} \times \mathbb{Z}_2$	$X_{\rm BS} = \mathbb{Z}_2  \mathrm{SI} = z_{4C}/2$
$\mathbb{Z}_2$	weak	$4^{001}$	2 <sup>100</sup> *	2 <sup>110</sup> *	. Bb 2 <del>1</del> 0 /
0	$(\bar{2}\bar{2}2)$	0	0	0	
0	(000)	0	1	1	
1	$(\overline{1}\overline{1}1)$	0	1	1	
		ç	99.167  P4m	$m'$ Classification = $\mathbb{Z}$	$X_{BS} = \mathbb{Z}_4  SI = z_{4C}$
$\mathbb{Z}_4$	weak	$4^{001}$	$m_{100}*$	$m_{110}*$	
0	$(00\bar{4})$	0	0	0	
3	$(00\bar{1})$	0	0	0	
2	$(00\bar{2})$	0	0	0	
1	$(00\bar{3})$	0	0	0	
				$m'$ Classification = $\mathbb{Z}$	$X_{BS} = \mathbb{Z}_4$ $SI = z_{4C}$
$\mathbb{Z}_4$	weak	$4^{001}$	$g_{\frac{1}{2}\frac{1}{2}0}^{100}*$	$g_{rac{1}{2}rac{1}{2}0}^{110}*$	
0	$(00\bar{4})$	0	0	0	
3	$(00\bar{1})$	0	0	0	
2	$(00\bar{2})$	0	0	0	
1	$(00\bar{3})$	0	0	0	Tr. CT. In
	1			$m'$ Classification = $\mathbb{Z}$	$X_{BS} = \mathbb{Z}_2  SI = z_{4C}/2$
$\mathbb{Z}_2$	weak	$4_{00\frac{1}{2}}^{001}$	$g_{00\frac{1}{2}}^{100}*$	$m_{110}*$	
0	$(00\bar{4})$	$\frac{\bar{2}}{\bar{1}}$	$\frac{\bar{2}}{1}$	0	
1	$(00\bar{2})$	1	1	0	
					$X_{BS} = \mathbb{Z}_2  SI = z_{4C}/2$
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}\underline{1}^{\frac{1}{2}}}$	$g^{100}_{rac{1}{2}rac{1}{2}rac{1}{2}}*$	$m_{110}*$	
0	$(00\bar{4})$	$\frac{\bar{2}}{\bar{2}}$	$\frac{\bar{2}}{\bar{2}}$	0	
1	$(00\bar{2})$	1	1	0	
				$c'c'$ Classification = $\mathbb{Z}$	$X_{BS} = \mathbb{Z}_4  SI = \overline{z'_{4C}}$
$\mathbb{Z}_4$	weak	$4^{001}$	$g_{00\frac{1}{2}}^{100}*$	$g_{00\frac{1}{2}}^{110}*$	
0	(008)	0	$\overline{4}$	$\overline{4}^{\circ}$	
3	$(00\bar{2})$	0	1	1	
2	$(00\bar{4})$	0	$\frac{\bar{2}}{\bar{2}}$	$\frac{\bar{2}}{\bar{2}}$	
1	$(00\bar{6})$	0	3	3	

			$\frac{1}{4.207} P4$	$\overline{n'c'}$ Clas	$sification = \mathbb{Z}$	$X_{RS} = \mathbb{Z}_2$	$SI = z_{AC}/2$		
$\overline{\mathbb{Z}_2}$	weak	4001	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{100}*$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$	711100011111	1-D <sub>0</sub> 2			
0	$(00\bar{4})$	0	$\frac{\frac{\sqrt{2}}{2}\frac{1}{2}\frac{1}{2}}{2}$	$\frac{\frac{5}{2}}{2}$					
1	$(00\bar{2})$	0	1	<u>-</u> 1					
		104.	$\overline{209  P_C 4r}$	$\overline{c}$ Classif	fication = $\mathbb{Z}_2$	$\overline{X_{BS} = \mathbb{Z}_2}$	$SI = z_{2,104,209}$	<u> </u>	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$g^{110}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$g_{00\frac{1}{2}}^{010}*$				
0	$(\bar{1}\bar{1}0)$	1	$\frac{\frac{\overline{2}}{2}}{1}$	$\frac{3\frac{1}{2}\frac{1}{2}\frac{1}{2}}{1}$	0				
			$0.215 P4_2$	m'c' Clas	ssification = $\mathbb{Z}$	$\overline{X_{BS} = \mathbb{Z}_2}$	$SI = z_{4C}/2$		
$\mathbb{Z}_2$	weak	$4_{00\frac{1}{2}}^{001}$	$\frac{m_{100}*}{m_{100}}$	$g_{00\frac{1}{2}}^{110}*$		- 55			
0	(004)	$\frac{00_{\overline{2}}}{2}$	0	$\frac{300_{\overline{2}}}{2}$					
1	(002)	1	0	1					
					ssification = $\mathbb{Z}$	$\overline{X_{BS}} = \mathbb{Z}_2$	$\overline{\mathrm{SI} = z_{4C}/2}$		
$\mathbb{Z}_2$	weak	$4_{00\frac{1}{2}}^{001}$	$g_{\frac{1}{2}\frac{1}{2}0}^{100}*$	$g^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$					
0	$(00\bar{4})$	$\bar{2}$	0	$\frac{2}{2}$					
1	$(00\overline{2})$	Ī	0	Ī					
			$7.231  \underline{I4m}$	$\overline{i'm'}$ Clas	ssification = $\mathbb{Z}$	$\overline{X_{\mathrm{BS}}} = \mathbb{Z}_2$	$\overline{SI} = z_{4C}/2$		
$\mathbb{Z}_2$	weak	$4^{001}$	$m_{100}*$	$m_{110}*$					
0	$(22\overline{2})$	0	0	0			<del></del>		
1	$(11\overline{1})$	0	0	0					
					ssification = $\mathbb{Z}$	$\overline{X}_{BS} = \mathbb{Z}_4$	$\overline{SI} = z'_{4C}$		
$\mathbb{Z}_4$	weak	$4^{001}$	$g_{00\frac{1}{2}}^{100}*$	$g_{00\frac{1}{2}}^{110}*$					
0	$(44\bar{4})$	0	4	4					
1	$(11\overline{1})$	0	1	1					
$\frac{2}{3}$	$(22\bar{2})$ $(33\bar{3})$	0 0	3	3					
	(333)				77		OT.		
$\mathbb{Z}_2$	weak		$\frac{.249 I4_1c'}{a^{100}}*$	d' Classiii	fication = $\mathbb{Z}$	$X_{\rm BS} = \mu_2$	$S1 = z_{2,110.249}$		
		$4_{0\frac{1}{2}\frac{1}{4}}^{001}$	$g_{00\frac{1}{2}}^{100}*$	$\frac{g_{\frac{1}{2}0\frac{1}{4}}^{110}*}{2}$					
$\frac{0}{1}$	$(44\bar{4})$ $(22\bar{2})$	1	$\frac{4}{2}$	2 1					
	(222)				sification = $\mathbb{Z}_M$	V	CT _ ~ ~		
$\overline{\mathbb{Z}_2}$	weak	$\frac{111}{4^{001}}$	$\frac{1.251 P42}{2^{100}}$	$\frac{2m  \text{Classi}}{Cm_{(0)}^{110}}$	$\frac{i\Pi \text{Cation} - \omega_M}{i}$	$\Lambda_{\rm BS} - \omega_2$	$SI = z_{2,S_4}$		
$\frac{\mathbb{Z}_2}{0}$	(000)	0	0	$\frac{Cm_{(0)}}{2\overline{2}}$				_	
0	(000)	0	0	$\frac{22}{2\overline{2}}$					
1	(000)	1	0	$\frac{22}{1\overline{1}}$					
			12'm' Clas		${=\mathbb{Z}\times\mathbb{Z}_2}$ $X_F$	$\overline{\mathbb{Z}_{2.2.4}}$	$SI = z_{2,Weyl}, z$	22 S Z4C	
$\overline{\mathbb{Z}_{2,2,4}}$	weak	4001	2 <sup>100</sup> *	$m_{110}*$		5 —2,2,2	-2, 110,17	(2,54,740	
000	(000)	0	0	0					
000	(004)	0	0	0					
001	(001)	0	0	0					
002	(002)	0	0	0					
003	(003)	0 1	0 1	0					
010	(000)	1	1	0					
011	(001)	1	1	0					
013	(003)	1	1	0					
		111	$1.256 P_{c}\overline{42}$	2m Class	sification = $\mathbb{Z}_M$	$\overline{X_{BS}} = \mathbb{Z}$	$SI = z_{2,S_4}$		
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{1}{4}^{001}$	$2^{100}$	$Cm_{(0)}^{110}$		<u>r</u>		
0	(002)	1	0	0	$\frac{(0)}{2\overline{2}}$				
0	(000)	0	0	0	$2\overline{2}$				
1	(001)	1	1	0	$1\overline{1}$				
		111	$1.257  P_C \overline{4}$	2m Class	sification = $\mathbb{Z}_M$	$X_{BS} = \mathbb{Z}$	$SI = z_{2,S_4}$		

$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}$	$2^{010}$	$Cm_{(0)}^{110}$			
0	(220)	1	0	0	$\frac{2\overline{2}}{2\overline{2}}$			
0	(000)	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$			
1	(110)	1	1	0	$1\overline{1}$			
		111.	$258 P_I$	12m Classit	$fication = \mathbb{Z}_{\Lambda}$	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z_2 S_4$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\bar{4}^{001}$	2100	$Cm_{(0)}^{110}$	1 100 2	2,04	
0	(222)	1	0	0	$\frac{\overline{22}}{}$			
0	(000)	0	0	0	$2\overline{2}$			
1	(111)	1	1	0	$1\overline{1}$			<del></del>
		11	2.259 P	$\overline{42c}$ Classif	$ication = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$ S1	$I = z_{2.S_4}$	
$\mathbb{Z}_2$	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				
	1	$12.263  P\bar{4}2$	'c' Class	sification = 1	$\mathbb{Z} \times \mathbb{Z}_2 = X_{\mathrm{B}}$	$S = \mathbb{Z}_{2,2,2}$ $SI =$	$z_{2,\text{Weyl}}, z_{2,S_4}, z_{4C}$	/2
$\mathbb{Z}_{2,2,2}$	weak	$\bar{4}^{001}$	$2^{100}_{00\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{110}*$	2 5	5 2,2,2	2, ((0)1) 2,84) 10	
000	(000)	0	$\frac{00_{\bar{2}}}{0}$	$000\frac{1}{2}$				
000	(004)	0	0	2				
001	$(00\overline{2})$	0	1	1				
010	(000)	1	1	0				
011	$(00\bar{2})$	1	0	1				
		11:	$2.264 P_c$	42c Classif	fication = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$ S	$I = z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$\bar{4}^{001}$	$2^{100}*$	$m_{110}*$			
0	$(00\bar{2})$	1	0	0	0			
1	$(00\bar{1})$	1	1	1	0			
					fication = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$ S	$SI = z_{2,S_4}$	
$\mathbb{Z}_2$	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	$(\bar{2}\bar{2}0)$	1	0	0	0			
1	$(\bar{1}\bar{1}0)$	1	1	1	0			
		11:	$2.266 P_{I}$	42c Classif		$X_{BS} = \mathbb{Z}_2$ S	$I = z_{2,S_4}$	
$\mathbb{Z}_2$	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	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0			
1	$(\bar{1}\bar{1}\bar{1})$	1	0	0	0			
		113.	$267  P\overline{4}$	$2_1m$ Classi	$fication = \mathbb{Z}_N$	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$\bar{4}^{001}$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	$Cm_{(0)}^{110}$				
0	(000)	0	0	$2\overline{2}$				
0	(000)	0	0	$2\overline{2}$				
1	(000)	1	0	$1\overline{1}$				
	1		$\frac{1}{2'_1m'}$ Cla	assification =	$=\mathbb{Z}\times\mathbb{Z}_2$ X	$I_{\mathrm{BS}} = \mathbb{Z}_{2,2,4}$ SI	$= z_{2,\text{Weyl}}, z_{2,S_4}, z_4$	
$\overline{\mathbb{Z}_{2,2,4}}$	weak	$\bar{4}^{001}$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$		, ,	, , , -	
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				
$\frac{011}{012}$	(001) (002)	1	1 1	0				
$\frac{012}{013}$	(002) $(003)$	1	1	0				
010	(000)				ification = $\mathbb{Z}_{j}$	V 77	CI _ ~	
77	weak		$\frac{272 P_c \bar{4}}{\bar{4}^{001}}$			$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\mathbb{Z}_2$		$\{1 00\frac{1}{2}\}*$		$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	$Cm_{(0)}^{1\overline{10}}$			
0	$(00\bar{2})$	1	0	0	$2\overline{2}$			

	(000)	0	0	0	00			
0	(000)	0	0	0	$\frac{2\overline{2}}{1\overline{1}}$			
<u> </u>	$(00\bar{1})$	1	1	0	$1\overline{1}$			
		113.	$273 P_{C}$	$2_1m$ Class	sification =	$\mathbb{Z}_M$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{000}*$	$Cm_{(0)}^{110}$			,
0	(220)	1	$\frac{\frac{2}{2}}{0}$	0	$\frac{\overline{22}}$			
0	(000)	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$			
	\ /		0		$\frac{22}{1\overline{1}}$			
1	(110)	1		1				
		113.		$2_1m$ Class		$\mathbb{Z}_M$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{00\frac{1}{2}}*$	$Cm_{(0)}^{110}$			
0	(222)	1	$\frac{222}{0}$	0	$\overline{2\overline{2}}$			
0	(000)	0	0	0	$2\overline{2}$			
1	(111)	1	0	1	$1\overline{1}$			
	(111)					77	V 77	OI
F77	1	7001			Incation = 2	$\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$S1 = z_{2,S_4}$
$\mathbb{Z}_2$	weak	$\bar{4}^{001}$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$g^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$				
0	(000)	0	0	0				
1	(000)	1	0	1				
	1	$14.279  P\bar{4}2$	'c' Clas	sification =	$\mathbb{Z}_1 \times \mathbb{Z}_{22} = X$	(DC =	- Z <sub>222</sub> SI -	$=z_{2,\text{Weyl}}, z_{2,S_4}, z_{4C}/2$
$\overline{\mathbb{Z}_{2,2,2}}$	weak	$\frac{14.275}{4^{001}}$	$\frac{10^{100}}{2^{\frac{100}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}} *$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110} *}{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{10}} *$	^ Z I	-ca-	<u>2,2,2</u> 51 -	~2, vvey1; ~2,54; ~40 / 2
000	(000)	0	0	0				
000	(004)	0	0	2				
001	(002)	0	1	1				
010	(000)	1	1	0				
011	(002)	1	0	1				
		114	$1.280 P_{c}$	$\overline{42_1c}$ Class	ification =	$\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$\overline{SI} = z_2 s$ .
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{4^{001}}{4^{00\frac{1}{2}}}*$	$\frac{2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{\frac{1}{2}\frac{1}{2}}}$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$			
		_						
0	(002)	1	0	0	0			
1	(001)	1	0	0	0			
		114		$\bar{4}2_1c$ Class		$\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$g^{110}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$2^{010}_{00\frac{1}{2}}*$			
0	(220)	1	$\frac{220}{0}$	0	0			
1	(110)	1	0	1	1			
	(110)					F77	37 77	CT
				$\overline{42_1c}$ Class		$\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\bar{4}^{001}$	$2^{100}*$	$m_{110}*$			
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0			
1	$(\bar{1}\bar{1}\bar{1})$	1	1	1	0			
		115	$\overline{0.283}  P\overline{4}$	m2 Classi	$fication = \mathbb{Z}$	$\mathbb{Z}_{M}^{2}$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2.S_4}$
$\mathbb{Z}_2$	weak	$\bar{4}^{001}$	2110	$Cm_{(0)}^{100}$		11/1		± 77 ° ±
$\frac{-2}{0}$	(000)	0	0	$\frac{2\overline{2}00}{2}$				
0	(000)	0	0	$\frac{2200}{1\overline{1}1\overline{1}}$				
0	(000)	0	0	1111				
	/							
1	(000)	1	0	$1\overline{1}00$				
		$115.287 P\bar{4}$		assification =	$=\mathbb{Z} imes\mathbb{Z}_2$	$X_{\mathrm{BS}}$	$=\mathbb{Z}_{2,2,4}$ SI	$z = z_{2,\text{Weyl}}, z_{2,S_4}, z_{4C}$
$\overline{\mathbb{Z}_{2,2,4}}$	weak	$\bar{4}^{001}$	$m_{100}*$	$2^{110}*$			<del></del>	
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	(000)	1	0	1				
$\frac{011}{012}$	(001)	1	0	1				
	· /							
013	(003)	1	0	1				

		115	. 000 D	0 01 1	C	rn 2	V 77	CT	
	**** 1*		$\frac{0.288 P_c}{4001}$	$\frac{1m2}{2^{110}}$ Classii	$\frac{\text{ncation} = 0}{C_{\text{res}} 100}$	$\mathbb{Z}_{M}^{-}$	$X_{BS} = \mathbb{Z}_2$	$S1 = z_{2,S_4}$	
$\frac{\mathbb{Z}_2}{2}$	weak	$\{1 00\frac{1}{2}\}*$			$Cm_{(0)}^{100}$				
0	(002)	0	0	0	$\frac{2\overline{2}00}{1\overline{1}1\overline{1}}$				
0	(000)	0	0	0	1111				
1	(000)	1	1	0	$\frac{1111}{1\overline{1}00}$				
	(001)			$\overline{4m2}$ Classi		7.26	$X_{DG} - \mathbb{Z}_{2}$	$SI = z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{1203}{4^{001}}$	$\frac{1112}{2^{110}}$	$Cm_{(0)}^{010}$	<i>™</i>	$\Lambda_{\rm BS} = \mathbb{Z}_2$	$\mathcal{S}_1 = \mathcal{Z}_{2,S_4}$	
0	(220)	1	0	0	$\frac{2\overline{200}}{200}$				
0	(000)	0	0	0	$\frac{2200}{2\overline{2}00}$				
1	(110)	1	1	0	$1\overline{1}00$				
		115	$0.290 P_{1}$	1m2 Classi	fication = 1	$\mathbb{Z}_{M}$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{1}{4^{001}}$	2110	$Cm_{(0)}^{010}$	171	Bb 2	2,04	
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0	$2\overline{200}$				
0	(000)	0	0	0	$2\overline{2}00$				
1	$(\overline{1}\overline{1}\overline{1})$	1	1	0	$1\overline{1}00$				
			6.291 P		fication = 2	$\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$\bar{4}^{001}$	$g_{00\frac{1}{2}}^{100}$	$2^{110}_{00\frac{1}{2}}$					
0	(000)	0	0	0					
1	(000)	1	1	0					
	1	$16.295  P\bar{4}a$	c'2' Class	sification =	$\mathbb{Z}  imes \mathbb{Z}_2$ $\Sigma$	K <sub>BS</sub> =	$=\mathbb{Z}_{2,2,2}$ SI	$= z_{2,\text{Weyl}}, z_{2,S_4}, z_{4C}/2$	
$\overline{\mathbb{Z}_{2,2,2}}$	weak	$\bar{4}^{001}$	$g_{00\frac{1}{2}}^{100}*$	$2^{110}_{00\frac{1}{2}}*$			, ,	, , -	
000	(000)	0	0	$\frac{0}{0}$					
000	(004)	0	2	0					
001	(002)	0	1	1					
010	(000)	1	0	1					
011	(002)	1	1	0					
			$6.296 P_c$		$fication = \frac{1}{2}$	$\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$\bar{4}^{001}_{00\frac{1}{2}}*$	$m_{100}*$	$2^{110}_{00\frac{1}{2}}$				
0	(002)	1	0	0	0				
1	(001)	1	0	0	0				
	1			$\sqrt{4c2}$ Classi		$\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}$	$2^{110}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{010}$				
0	(220)	1	0	0	0				
1	(110)	1	1	0	1				
	1		$\frac{6.298 P_I}{4^{001}}$		fication = 1	$\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$		$g_{00\frac{1}{2}}^{100}$	$2^{110}_{00\frac{1}{2}}$				
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0				
1	$(\bar{1}\bar{1}\bar{1})$	1	1	1	0			a+	
	1 <sub>-</sub>	$\frac{11}{4^{001}}$			fication = 2	$\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$S1 = z_{2,S_4}$	
$\mathbb{Z}_2$	weak		$g_{\frac{1}{2}\frac{1}{2}0}^{100}$	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$					
	(000)	0	0	0					
1	(000)	1	1	0	F71 F71	37	<i>[7]</i>		
77		$\frac{117.303}{4^{001}} P^{4}$		$\frac{\text{ssification}}{2^{110}} =$	$\mathbb{Z} \times \mathbb{Z}_2$	$\Lambda_{ m BS}$	$= \mathbb{Z}_{2,2,4}$ S.	$z = z_{2,\text{Weyl}}, z_{2,S_4}, z_{4C}$	
$\mathbb{Z}_{2,2,4}$	weak		$g_{\frac{1}{2}\frac{1}{2}0}^{100}*$	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$					
000	(000)	0	0	0					
$\frac{000}{001}$	(004)	0	0	0					
$\frac{001}{002}$	(001)	0	0	0					
003	(003)	0	0	0					
010	(000)	1	0	1					

Ω11	(001)	1	0	1					
$\frac{011}{012}$	(001)	1	0	1					
$\frac{012}{013}$	(002)	1	0	1 1					
010	(005)							O.T.	
			$\frac{7.304}{5001}$	$P_c \bar{4}b2$ Classif	ication =	$\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$\bar{4}^{001}$	$g^{100}_{rac{1}{2}rac{1}{2}0}$	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$				
0	(002)	1	0	0	0				
1	(001)	1	1	1	0				
		117	7.305 P	$C_C \overline{4}b2$ Classi	fication =	$\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2.S_4}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$m_{010}*$			) <b>-</b>	
0	$(\bar{2}\bar{2}0)$	1	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	0				
1	(110)	1	0	0	0				
	(110)		7 206 E	$P_I \bar{4}b2$ Classif	Gention -	77 -	V7	CI — ~	
$\overline{\mathbb{Z}_2}$	weak		$\frac{7.500}{4^{001}}$	1102 Classii	2110 <sub>*</sub>	<i>∠</i> 2	$\Lambda_{\rm BS} = \mathbb{Z}_2$	$S1 - z_{2,S_4}$	
		$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$		$g_{00\frac{1}{2}}^{100}*$	$2^{110}_{00\frac{1}{2}}*$				
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0				
1	$(\bar{1}\bar{1}\bar{1})$	1	1	0	1				
			8.307 $F$	$P\bar{4}n2$ Classif	ication =	$\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$\bar{4}^{001}$	$g^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$2^{110}_{rac{1}{2}rac{1}{2}rac{1}{2}}$					
0	(000)	0	0	0					
1	(000)	1	1	0					
	1	$\overline{18.311}$ $P\overline{4}n$	'2' Clas	ssification = 1	$\mathbb{Z} \times \mathbb{Z}_2$	$X_{BS}$	$=\mathbb{Z}_{2,2,2}$ SI	$= z_{2,\text{Weyl}}, z_{2,S_4}, z_{4C}/2$	
$\mathbb{Z}_{2,2,2}$	weak	$\bar{4}^{001}$	$g^{100}_{\frac{1}{1}\frac{1}{1}\frac{1}{1}}*$	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$		Во	2,2,2	2,110317 2,547 107	
000	(000)	0	$\frac{0}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2}$	$\frac{\bar{2} \bar{2} \bar{2}}{0}$					
000	(004)	0	2	0					
001	(002)	0	1	1					
010	(000)	1	0	1					
011	(002)	1	1	0					
	(00=)			$\frac{0}{2c^{4}n^{2}}$ Classif	Section -	77	V _ 7	CI _ ~	
$\overline{\mathbb{Z}_2}$	weak	$\frac{110}{[1]00\frac{1}{2}}*$				$\mathbb{Z}_2$	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_2$	$S1 = z_{2,S_4}$	
			$\bar{4}^{001}_{00\frac{1}{2}}*$	$g_{\frac{1}{2}\frac{1}{2}0}^{100}*$	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$				
0	(002)	1	0	0	0				
1	(001)	1	0	0	0				
			$\frac{0.313}{0.001} P_0$	$\sqrt{4n2}$ Classi	fication =	$\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$g_{00\frac{1}{2}}^{010}*$				
0	(220)	1	0	0	0				
1	(110)	1	0	0	0				
		118	3.314 P	$Q_I \bar{4}n2$ Classif	fication =	$\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_2 s_4$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$m_{100}*$	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$		<u> </u>	2,04	
0	$(\overline{2}\overline{2}\overline{2})$	1	$\frac{\overline{2}  \overline{2}  \overline{2}}{0}$	0	$\frac{\overline{2} \overline{2} \overline{2}}{0}$				
1	(111)	1	0	0	0				
	(111)				cation = 1	77	V _ 7/	CT _ ~	
$\mathbb{Z}_2$	weak	$4^{001}$	$\frac{2^{110}}{2^{110}}$		cation = i	<i>∠M</i>	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
		_		$Cm_{(0)}^{010}$					
0	(000)	0	0	$\frac{2\overline{2}}{2\overline{2}}$					
0	(000)	0	0	$\frac{2\overline{2}}{1\overline{1}}$					
1	(000)	1	0	11					
		$19.319 I\bar{4}m$		sification = 1	$\mathbb{Z} \times \mathbb{Z}_2$	$X_{BS}$	$=\mathbb{Z}_{2,2,2}$ SI	$= z_{2,\text{Weyl}}, z_{2,S_4}, z_{4C}/2$	
$\mathbb{Z}_{2,2,2}$	weak	$\bar{4}^{001}$	$m_{100}*$	2 <sup>110</sup> *					
000	(000)	0	0	0					
000	$(11\bar{1})$	0	0	0					
010	(000)	1	0	1					
			$.320 \overline{I_c}$	4m2 Classif		$\overline{\mathbb{Z}_M}$	$\overline{X_{BS}} = \overline{\mathbb{Z}}_2$	$SI = z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}$	$2^{110}$	$Cm_{(0)}^{010}$		<u> </u>		
0	(222)	1	0	0	$2\overline{2}$				
	_		_	-					

	(000)	0	0	0	<u> </u>					
0	(000)	0	0	0	$\frac{2\overline{2}}{1\overline{1}}$					
1	(111)	1	1	0	11					
			20.321 1	4c2 Classification	cation = Z	$\mathbb{Z}_2  \mathbf{X}_{\mathrm{BS}} = \mathbb{Z}$	$\mathbb{Z}_2$ SI = $z_{2,}$	$S_4$		
$\mathbb{Z}_2$	weak	$\bar{4}^{001}$	$g_{00\frac{1}{2}}^{100}$	$2^{110}_{00\frac{1}{2}}$						
0	(000)	0	0	0						
1	(000)	1	1	0						
	1	$20.325 I \bar{4} a$	c'2' Clas	sification $= \mathbb{Z}$	$\mathbb{Z} \times \mathbb{Z}_2 = \Sigma$	$X_{\mathrm{BS}} = \mathbb{Z}_{2 2 2}$	$SI = z_{2 \text{ Wey}}$	$z_1, z_2, s_4, z_4c_4$	/2	
$\overline{\mathbb{Z}_{2,2,2}}$	weak	$\bar{4}^{001}$	$g_{00\frac{1}{2}}^{100}*$	$2^{110}_{00\frac{1}{2}}*$			_,,	-,-4,,		
000	(000)	0	0	$00\frac{1}{2}$						
000	$(\overline{111})$	0	<u>°</u>	1						
010	(000)	1	0	1						
====	(000)			$c \bar{4}c2$ Classifi	ication - '	$\mathbb{Z}_{2} = \mathbb{Y}_{2} = \mathbb{Z}_{2}$	7. SI — 2.	~		
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{\overline{4001} *}{\overline{400\frac{1}{2}} *}$	2110	1000000000000000000000000000000000000	$\Delta 2$ $\Lambda_{\rm BS} = 2$	$z_2$ $z_1 = z_2$	$S_4$		
				$^{2}00\frac{1}{2}$						
	(222)	1	0	0	0					
1	(111)	1	0							
			$1.327 I_{-100}$	12m Classifi	cation = Z	$\mathbb{Z}_M  \mathbf{X}_{\mathrm{BS}} =$	$\mathbb{Z}_2$ 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	11						
	1	$21.331 I\overline{4}2$	'm' Clas	ssification $= 2$	$\mathbb{Z}  imes \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_{2,2,2}$	$SI = z_{2,We}$	$y_1, z_{2,S_4}, z_{4C}$	/2	
$\mathbb{Z}_{2,2,2}$	weak	$\bar{4}^{001}$	$2^{100}*$	$m_{110}*$						
000	(000)	0	0	0						
000	$(11\bar{1})$	0	0	0						
010	(000)	1	1	0						
		121		$\overline{42m}$ Classifi		$\mathbb{Z}_M  \mathbf{X}_{\mathrm{BS}} =$	$\mathbb{Z}_2$ SI = $z$	$2,S_4$		
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}$	$2^{010}$	$Cm_{(0)}^{110}$					
0	(222)	1	0	0	$2\overline{2}$					
0	(000)	0	0	0	$2\overline{2}$					
1	(111)	1	1	0	$1\overline{1}$					
		1:	22.333 <i>I</i>	$\overline{42d}$ Classifi	cation = Z	$\mathbb{Z}_2  X_{\mathrm{BS}} = \mathbb{Z}$	$\mathbb{Z}_2$ SI = $z_2$ .	$S_4$		
$\overline{\mathbb{Z}_2}$	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	$\frac{0_{\bar{2}}_{\bar{4}}}{0}$	$\frac{-0\frac{1}{2}\frac{1}{4}}{0}$						
1	(000)	1	0	1						
	()	122.337		Classification	- 7 × 7.0	$\mathbf{Y}_{\mathrm{DG}} = \mathbb{Z}_{2}$	$_{\circ}$ SI $= z_{\circ}$			
$\overline{\mathbb{Z}_{2,2}}$	weak	$\frac{122.331}{4^{001}}$	$\frac{2^{100}_{0\frac{1}{2}\frac{1}{4}}}{2^{100}_{0\frac{1}{2}\frac{1}{4}}}$	$g_{0\frac{1}{2}\frac{1}{4}}^{110}*$		$\Lambda_{\rm BS} = \mathbb{Z}_2$	$,2$ $\mathcal{D}\mathbf{I}=\mathcal{Z}_{2},$	Weyl, $\sim 2, S_4$		
			$\frac{20\frac{1}{2}\frac{1}{4}}{0}$							
00	$(000)$ $(22\overline{2})$	0	0	0 1						
01	(000)	1	1	0						
	(000)					<i>en</i> 31	7. 01			
	1			$c^{\overline{4}2d}$ Classifi	$\frac{1}{1}$	$\mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$	$\mathbb{Z}_2$ SI = $z_2$	$,S_4$		
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\bar{4}^{001}$	$g_{0\frac{1}{2}\frac{1}{4}}^{110}$	$2^{010}_{0\frac{1}{2}\frac{1}{4}}$					
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0					
1	$(\bar{1}\bar{1}\bar{1})$	1	1	1	0					
			$\overline{P4/mmm}$	Classification		$X_{BS} = \mathbb{Z}_{2,4}$	$_{.,8}$ SI = $z'_{21}$	$z_{1}, z_{4m,\pi}^{+}, z_{8}$		
$\overline{\mathbb{Z}_{2,4,8}}$	weak	$4^{001}$	$2^{100}$	i	$2^{110}$	$\bar{4}^{001}$	$Cm_{(2)}^{100}$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{110}$	
000	(000)	0	0	0	0	0	$\overline{6622}$	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	(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	$\frac{\overline{2}200}{\overline{4}400}$	$\frac{\overline{4}4\overline{4}4}{\overline{4}400}$	$\frac{\overline{2}2}{\overline{2}2}$	

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	$7\overline{7}00$	$\frac{7700}{700}$	$7\overline{7}$	
010	(000)	0	0	0	0	0	$\frac{7700}{2200}$	1111	$\frac{7}{2}$ 2	
013	(000)	0	0	1	0	1	$\frac{2200}{1100}$	$\frac{1111}{001\overline{1}}$	$\frac{22}{11}$	
$\frac{013}{016}$	(000)	0	0	0	0	0	0000	$\frac{0011}{1\overline{1}1\overline{1}}$	00	
010	(000)	0	0	1	0	1	$\frac{0000}{1\overline{1}00}$	$\frac{2\overline{2}1\overline{1}}{2\overline{2}}$	$\frac{00}{1\overline{1}}$	
	\ /						$\frac{1100}{2\overline{2}00}$		$\frac{11}{2\overline{2}}$	
014	(000)	0	0	0	0	0		$3\overline{3}1\overline{1}$		
017	(000)	0	0	1	0	1	3300	$4\overline{4}1\overline{1}$	33	
012	(000)	0	0	0	0	0	$4\overline{4}00$	$5\overline{5}1\overline{1}$	$4\overline{4}$	
015	(000)	0	0	1	0	1	5 <u>5</u> 00	$6\overline{6}1\overline{1}$	5 <del>5</del>	
020	(000)	0	0	0	0	0	4400	$\overline{2}22\overline{2}$	$\overline{4}4$	
023	(000)	0	0	1	0	1	3300	$\overline{1}12\overline{2}$	33	
026	(000)	0	0	0	0	0	$\overline{2}200$	$002\overline{2}$	$\overline{2}2$	
021	(000)	0	0	1	0	1	<u>1</u> 100	$1\overline{1}2\overline{2}$	<u>1</u> 1	
024	(000)	0	0	0	0	0	0000	$2\overline{2}2\overline{2}$	00	
027	(000)	0	0	1	0	1	$1\overline{1}00$	$3\overline{3}2\overline{2}$	$1\overline{1}$	
022	(000)	0	0	0	0	0	$2\overline{2}00$	$4\overline{4}2\overline{2}$	$2\overline{2}$	
025	(000)	0	0	1	0	1	$3\overline{3}00$	$5\overline{5}2\overline{2}$	$3\overline{3}$	
030	(000)	0	0	0	0	0	<del>6</del> 600	3333	<del>6</del> 6	
033	(000)	0	0	1	0	1	5500	$\overline{2}23\overline{3}$	$\overline{5}5$	
036	(000)	0	0	0	0	0	4400	$\overline{1}13\overline{3}$	$\frac{3}{4}$	
031	(000)	0	0	1	0	1	3300	$003\overline{3}$	33	
034	(000)	0	0	0	0	0	$\frac{\overline{2}200}{}$	$\frac{1\overline{1}3\overline{3}}{}$	$\frac{\overline{2}}{2}$	
$\frac{-034}{037}$	(000)	0	0	1	0	1	$\frac{2200}{1100}$	$\frac{2\overline{2}3\overline{3}}{2\overline{3}}$	$\frac{22}{11}$	
032	(000)	0	0	0	0	0	0000	$\frac{2\overline{2}\overline{3}}{3\overline{3}}$	00	
$\frac{032}{035}$	(000)	0	0	1	0	1	$\frac{0000}{1\overline{1}00}$	$\frac{3535}{4\overline{4}3\overline{3}}$	$\frac{00}{1\overline{1}}$	
$\frac{000}{100}$	(000)	0	0		0		3311	4400	$\frac{11}{44}$	
	/			0		0				
103	(000)	0	0	1	0	1	$\frac{\overline{2}21\overline{1}}{\overline{1}11\overline{1}}$	3300	33	
106	(000)	0	0	0	0	0	<u>1111</u>	$\overline{2}200$	$\frac{\overline{2}2}{\overline{1}1}$	
101	(000)	0	0	1	0	1	0011	1100	<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	$2\overline{2}1\overline{1}$	1100	$1\overline{1}$	
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	$\overline{5}51\overline{1}$	$\overline{5}51\overline{1}$	<del>6</del> 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	$\overline{2}21\overline{1}$	$\overline{2}21\overline{1}$	33	
114	(000)	0	0	0	0	0	<u>1</u> 1111	$\overline{1}11\overline{1}$	$\overline{2}2$	
117	(000)	0	0	1	0	1	$001\overline{1}$	$001\overline{1}$	$\overline{1}1$	
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	$2\overline{2}1\overline{1}$	$2\overline{2}1\overline{1}$	11	
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	$\frac{6611}{6611}$	$\frac{\overline{5522}}{\overline{5}52\overline{2}}$	$\frac{3}{7}$	
$\frac{126}{126}$	(000)	0	0	0	0	0	$\frac{5511}{5}$	$\frac{\overline{4422}}{\overline{4}}$	$\frac{66}{6}$	
$\frac{120}{121}$	(000)	0	0	1	0	1	$\frac{3311}{4411}$	$\frac{\overline{3322}}{\overline{3}}$	$\frac{\overline{5}}{5}$	
$\frac{121}{124}$	(000)	0	0	0	0	0	$\frac{4411}{331\overline{1}}$	$\frac{\overline{2322}}{\overline{2}22\overline{2}}$	$\frac{55}{44}$	
$\frac{124}{127}$	(000)	0	0	1	0	1	$\frac{3311}{221\overline{1}}$	$\frac{2222}{\overline{1}12\overline{2}}$	$\frac{44}{33}$	
$\frac{127}{122}$	(000)	0	0		0	0	7211 1111	$\frac{1122}{002\overline{2}}$	$\frac{33}{22}$	
	\ /			0						
125	(000)	0	0	1	0	1	$001\overline{1}$	$1\overline{1}2\overline{2}$	$\overline{1}1$	

130	(000)	0	0	0	0	0	9911	$\overline{7}73\overline{3}$	10, 10
$\frac{130}{133}$	(000)	0	0	1	0	1	$\frac{9911}{881\overline{1}}$	$\frac{7735}{663\overline{3}}$	$\frac{10, 10}{99}$
$\frac{135}{136}$	(000)	0	0	0	0	0	$\frac{7711}{771}$	$\frac{553\overline{3}}{5}$	<u></u>
131	(000)	0		1	0	1	$\frac{7711}{661\overline{1}}$	$\frac{3333}{4433}$	<u>- 00</u> 77
	\ /		0						
134	(000)	0	0	0	0	0	<u>5511</u>	3333	<u>6</u> 6
137	(000)	0	0	1	0	1	<u>4411</u>	$\overline{2}23\overline{3}$	<u>5</u> 5
132	(000)	0	0	0	0	0	<u>3</u> 31 <u>1</u>	<u>1133</u>	$\frac{\overline{4}4}{\underline{}}$
135	(000)	0	0	1	0	1	$\overline{2}21\overline{1}$	$003\overline{3}$	33
		123.342	P4'/mm'	'm Classific	$ation = \mathbb{Z}$	$_{M}^{3}$ $X_{BS}$	$S = \mathbb{Z}_{2,4}$ $SI =$	$z'_{2P,3}, z'_{4P}$	
$\mathbb{Z}_{2,4}$	weak	$4^{001}*$	$2^{100}*$	i	$2^{110}$	$\bar{4}^{001}*$	$Cm_{(2)}^{001}$	$Cm_{(2)}^{1\bar{1}0}$	
00	(000)	0	0	0	0	0	$\frac{\overline{2}22\overline{2}}{\overline{2}}$	$\frac{\overline{44}}{44}$	
00	(000)	0	0	0	0	0	$4\overline{4}00$	$4\overline{4}$	
00	(000)	0	0	0	0	0	$\frac{\overline{2}2\overline{2}2}{2}$	$\frac{\overline{2}}{2}$	
00	(000)	0	0	0	0	0	0000	$\frac{2\overline{2}}{2\overline{2}}$	
03	(000)	1	1	1	0	0	$\frac{\overline{1100}}{1100}$	$\frac{22}{1\overline{1}}$	
$\frac{-03}{02}$	(000)	0	0	0	0	0	$\frac{1100}{2\overline{2}00}$	$\frac{11}{2\overline{2}}$	
01	(000)	1	1	1	0	0	$\frac{2200}{3\overline{3}00}$	$\frac{22}{3\overline{3}}$	
	\ /							$\frac{33}{22}$	
10	(000)	0	0	0	0	0	1111	$\frac{22}{11}$	
13	(000)	1	1	1	0	0	0011		
12	(000)	0	0	0	0	0	1111	00	
11	(000)	1	1	1	0	0	$2\overline{2}1\overline{1}$	11	
			1'/mmm'	Classification	$\operatorname{pn} = \mathbb{Z}_M^4$	$X_{BS} =$	$\frac{\mathbb{Z}_{2,2,4}  \text{SI} = z_2'}{m_{1\bar{1}0}*}$	$z_{P,1}, z_{2P,3}', z_{4P}'$	
$\mathbb{Z}_{2,2,4}$	weak	4 <sup>001</sup> *	$2^{100}$	i	$2^{110}*$	$\bar{4}^{001}*$	$m_{1\bar{1}0}*$	$Cm_{(2)}^{100}$	$Cm_{(2)}^{001}$
000	(000)	0	0	0	0	0	0	$2\overline{2}2\overline{2}$	0000
000	(000)	0	0	0	0	0	0	$\overline{4}400$	$\overline{2}22\overline{2}$
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	$\frac{1100}{1}$	$1\overline{1}00$
002	(000)	0	0	0	0	0	0	$\frac{2\overline{2}00}{2}$	$2\overline{2}00$
001	(000)	1	0	1	1	0	0	3300	3300
010	(000)	0	0	0	0	0	0	$\frac{2200}{2}$	<u>1</u> 111 <u>1</u>
013	(000)	1	0	1	1	0	0	$\frac{2200}{1100}$	$\frac{001\overline{1}}{1}$
012	(000)	0	0	0	0	0	0	0000	$\frac{1\overline{1}1\overline{1}}{1}$
011	(000)	1	0	1	1	0	0	$\overline{1100}$	$\frac{2\overline{2}1\overline{1}}{2}$
$\frac{-011}{100}$	(000)	0	0	0	0	0	0	$\frac{1100}{1\overline{1}1\overline{1}}$	0000
$\frac{100}{103}$	(000)	1	0	1	1	0	0	$\frac{2\overline{2}1\overline{1}}{2}$	$1\overline{1}00$
$\frac{103}{102}$	(000)	0	0	0	0	0	0	$\frac{2211}{3\overline{3}1\overline{1}}$	$\frac{1100}{2\overline{2}00}$
	\ /								$\frac{2200}{3\overline{3}00}$
101	(000)	1	0	1	1	$\frac{0}{0}$	0	$\frac{4\overline{4}1\overline{1}}{\overline{1}11\overline{1}}$	3300 1111
110	(000)	0	0	0	0		0	<u>1111</u>	
113	(000)	1	0	1	1	0	0	$\frac{001\overline{1}}{1\overline{1}1\overline{1}}$	0011
112	(000)	0	0	0	0	0	0	1111	1111
111	(000)	1	0	1	1	0	0	$2\overline{2}1\overline{1}$	$2\overline{2}1\overline{1}$
		123.34		n'm'm Class			$X_{BS} = \mathbb{Z}_2$ SI:	$= z_{2,S_4}$	
$\mathbb{Z}_2$	weak	4 <sup>001</sup> *	$2^{100}$	i*	$2^{110}*$	$\bar{4}^{001}$	$Cm_{(0)}^{110}$		
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	$1\overline{1}$		
	123	$.345  ext{ } P4/m$	m'm' C1	assification =	$=\mathbb{Z}^2_{0,r}\times\mathbb{Z}$	Xpc =	$\mathbb{Z}_{4,4,4}$ $SI = z$	+ +	-
$\overline{\mathbb{Z}_{4,4,4}}$	weak	4001	$\frac{2^{100}}{}$ *	$\frac{i}{i}$	$\frac{2^{110}*}{2^{110}}$	$\frac{7685}{4001}$	$\frac{24,4,4}{m_{1\bar{1}0}*}$	$\frac{C_{4m,0}, \sim_{4m,0}, \sim_{4}}{Cm_{(4)}^{001}}$	$m,\pi$
		_						$\frac{Cm_{(4)}}{4,\overline{16},0,\overline{12}}$	
000	(0012)	0	0	0	0	0	0	, , ,	
000	(00.4)	0	0	0	0	^	0	0.40.4	
000	$(00\bar{4})$ $(000)$	0	0	0	0	0	0	$\frac{0404}{004\overline{4}}$	

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	$(00\bar{1})$	0	1	1	1	1	0	0101	
011	$(00\bar{1})$	0	0	0	0	0	0	0110	
012	$(00\overline{1})$	0	1	1	1	1	0	$012\overline{1}$	
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	$(00\bar{3})$	0	1	1	1	1	0	0321	
033	$(00\bar{3})$	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	$\frac{1414}{1414}$	
102	(003)	0	0	0	0	0	0	$\frac{1425}{1}$	
103	(003)	0	1	1	1	1	0	$\frac{1436}{1\overline{4}3\overline{6}}$	
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	$\frac{1302}{1\overline{3}1\overline{3}}$	
112	(002)	0	1	1	1	1	0	$\frac{1\overline{3}2\overline{4}}{1\overline{3}2\overline{4}}$	
$\frac{112}{113}$	(002)	0	0	0	0	0	0	$\frac{1324}{1\overline{3}3\overline{5}}$	
$\frac{110}{120}$	(001)	0	0	0	0	0	0	$\frac{1505}{1\overline{2}0\overline{1}}$	
$\frac{120}{121}$	(001)	0	1	1	1	1	0	$\frac{1201}{1\overline{2}1\overline{2}}$	
$\frac{121}{122}$	(001)	0	0	0	0	0	0	$\frac{1212}{1\overline{2}2\overline{3}}$	
$\frac{122}{123}$	(001)	0	1	1	1	1	0	$\frac{1225}{1\overline{2}3\overline{4}}$	
$\frac{123}{130}$	(000)	0	1	1	1	1	0	$\frac{1294}{1\overline{1}00}$	
$\frac{130}{131}$	(000)	0	0	0	0	0	0	1 <u>1100</u> 1 <u>1</u> 11 <u>1</u>	
$\frac{131}{132}$	(000)	0	1	1	1	1	0	$\frac{1111}{1\overline{1}2\overline{2}}$	
$\frac{132}{133}$	(000)	0	0	0	0	0	0	$\frac{1122}{1\overline{1}3\overline{3}}$	
$\frac{133}{200}$	(006)	0	0	0	0	0	0	$\frac{280\overline{6}}{280\overline{6}}$	
$\frac{200}{201}$	\ /			1	1			$\frac{2800}{2817}$	
	(006)	0	1			1	0	$\frac{2817}{2828}$	
202	(006)	0	0	0	0	0	0		
203	(006)	0	1	1	1	1	0	2839 2705	
210	(005)	0	1	1	1	1	0	$2\overline{7}0\overline{5}$	
211	(005)	0	0	0	0	0	0	2 <del>7</del> 1 <del>6</del>	
212	(005)	0	1	1	1	1	0	2 <del>7</del> 2 <del>7</del>	
213	(005)	0	0	0	0	0	0	2 <del>7</del> 3 <del>8</del>	
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 <del>6</del> 2 <del>6</del>	
223	(004)	0	1	1	1	1	0	2 <del>6</del> 3 <del>7</del>	
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	$\overline{3,\overline{11},2,\overline{10}}$	

	()									
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	$3\overline{9}0\overline{6}$		
331	(006)	0	0	0	0	0	0	$3\overline{9}1\overline{7}$		
332	(006)	0	1	1	1	1	0	$3\overline{9}2\overline{8}$		
333	(006)	0	0	0	0	0	0	$3\overline{9}3\overline{9}$		
		123.34	6 PA'/x	n'mm' Clas	ssification	$n = \mathbb{Z}^2$ $\mathbf{X}_{\mathbf{p}}$	$_{\mathrm{SS}}=\mathbb{Z}_{2}$ SI	- 7 <sub>2</sub> g		
$\overline{\mathbb{Z}_2}$	weak	$4^{001}*$	$\frac{1477}{2^{100}*}$	<u>i*</u>	$\frac{2^{110}}{2^{110}}$	$\frac{1 - \omega_M}{4^{001}}$ $\frac{R_B}{4}$		$\frac{-z_{2,S_{4}}}{Cm_{(0)}^{100}}$		
							$m_{1\bar{1}0}*$			
0	(000)	0	0	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	0	1111		
0	(000)	0	0	0	0	0	0	1111		
1	(000)	1	1	0	0	1	0	$1\overline{1}00$		
		123.348	$P_c4/mr$	mm Classif	ication =	$\mathbb{Z}_M^4$ $X_{\mathrm{BS}} =$	$=\mathbb{Z}_{2,8}$ SI $=$	$=z'_{2P,1},z_8$		
$\overline{\mathbb{Z}_{2,8}}$	weak	$\{1 00\frac{1}{2}\}*$	4001	$2^{100}$	i	$2^{110}$	$\bar{4}^{001}$	$Cm_{(2)}^{100}$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{110}$
00	(008)	0	0	0	0	0	0	$\overline{6622}$	8800	$\frac{(2)}{88}$
00	(008)	1	0	0	0	0	0	8800	8800	88
00	(004)	0	0	0	0	0	0	$\overline{44\overline{2}2}$	$\frac{3000}{4400}$	$\frac{36}{44}$
00	(004)	0	0	0	0	0	0	$\frac{1422}{2200}$	0000	$\frac{\overline{2}}{2}$
00	(002)	0	0	0	0	0	0	$\frac{2200}{4400}$	$\frac{6000}{4400}$	$\frac{22}{22}$
03	$(004)$ $(00\bar{1})$	1	0	0	1	0	1	$\frac{4400}{1\overline{1}00}$	$\frac{4400}{1\overline{1}00}$	$\frac{22}{1\overline{1}}$
	/									
06	$(00\bar{2})$	1	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	$\frac{2\overline{2}}{2\overline{2}}$
01	$(00\bar{3})$	1	0	0	1	0	1	$3\overline{3}00$	3300	$3\overline{3}$
04	$(00\bar{4})$	1	0	0	0	0	0	4400	$4\overline{4}00$	$4\overline{4}$
07	$(00\bar{5})$	1	0	0	1	0	1	$5\overline{5}00$	$5\overline{5}00$	$5\overline{5}$
02	$(00\bar{6})$	1	0	0	0	0	0	6 <u>6</u> 00	$6\overline{6}00$	$6\overline{6}$
05	$(00\bar{7})$	1	0	0	1	0	1	$7\overline{7}00$	$7\overline{7}00$	$7\overline{7}$
10	(004)	0	0	0	0	0	0	$\overline{3}31\overline{1}$	$\overline{4}400$	$\overline{4}4$
13	(003)	0	0	0	1	0	1	$\overline{2}21\overline{1}$	$\bar{3}300$	$\overline{3}3$
16	(002)	0	0	0	0	0	0	$\overline{1}11\overline{1}$	$\overline{2}200$	$\overline{2}2$
11	(001)	0	0	0	1	0	1	$001\overline{1}$	$\overline{1}100$	<del>1</del> 1
14	(000)	0	0	0	0	0	0	$1\overline{1}1\overline{1}$	0000	00
17	$(00\bar{1})$	1	0	0	1	0	1	$2\overline{2}1\overline{1}$	$1\overline{1}00$	11
12	$(00\overline{2})$	1	0	0	0	0	0	$3\overline{3}1\overline{1}$	$2\overline{2}00$	$2\overline{2}$
15	$(00\overline{3})$	1	0	0	1	0	1	$4\overline{4}1\overline{1}$	3300	$\overline{33}$
	()	123.349	$P_C4/mr$	mm Classif	ication =	774 V _	$=\mathbb{Z}_{4,8}$ SI $=$			
777	***** 1*		$\frac{1 C^{4/1111}}{4^{001}}$	$\frac{nm}{2^{110}}$		$\frac{\omega_M}{2^{010}}$	$\frac{-224.8}{4^{001}}$	$C_{m,\pi}$ , 28	$Cm_{(4)}^{001}$	C <sub>200</sub> 100
$\mathbb{Z}_{4,8}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$			i			$Cm_{(2)}^{110}$	$\overline{Cm_{(4)}}$	$Cm_{(2)}^{100}$
00	(880)	0	0	0	0	0	0	88	$\frac{\overline{4}44\overline{4}}{\overline{6}\overline{6}}$	8800
00	$(\bar{8}\bar{8}0)$	1	0	0	0	0	0	88	8800	8800
00	(440)	0	0	0	0	0	0	$\overline{\underline{2}}$ 2	4400	<u>4</u> 400
00	(660)	0	0	0	0	0	0	<u>6</u> 6	$\overline{6}6\overline{2}2$	$\overline{6}600$
00	(440)	0	0	0	0	0	0	$\overline{4}4$	$\overline{4}400$	$\overline{2}200$
03	$(\bar{1}\bar{1}0)$	1	0	0	1	0	1	$1\overline{1}$	$1\overline{1}00$	$1\overline{1}00$
06	$(\bar{2}\bar{2}0)$	1	0	0	0	0	0	$2\overline{2}$	$2\overline{2}00$	$2\overline{2}00$
01	$(\bar{3}\bar{3}0)$	1	0	0	1	0	1	$3\overline{3}$	$3\overline{3}00$	$3\overline{3}00$
04	$(\bar{4}\bar{4}0)$	1	0	0	0	0	0	$4\overline{4}$	$4\overline{4}00$	$4\overline{4}00$
07	$(\overline{5}\overline{5}0)$	1	0	0	1	0	1	$5\overline{5}$	$5\overline{5}00$	$5\overline{5}00$
02	$(\overline{6}\overline{6}0)$	1	0	0	0	0	0	$6\overline{6}$	$6\overline{6}00$	$6\overline{6}00$
05	(770)	1	0	0	1	0	1	$7\overline{7}$	7700	7700
10	(220)	0	0	0	0	0	0	$\frac{1}{2}$ 2	$\frac{111\overline{1}}{111\overline{1}}$	$\frac{100}{2200}$
13	(110)	0	0	0	1	0	1	$\frac{22}{11}$	$001\overline{1}$	$\frac{2200}{1100}$
$\frac{16}{16}$	(000)	0	0	0	0	0	0	00	$\frac{0011}{1111}$	0000
	(000)		<u> </u>	0	U	U	0			

11	$(\overline{1}\overline{1}0)$	1	0	0	1	0	1	11	$2\overline{2}1\overline{1}$	$1\overline{1}00$
14	$(\bar{2}\bar{2}0)$	1	0	0	0	0	0	$2\overline{2}$	$3\overline{3}1\overline{1}$	$2\overline{2}00$
17	$(\bar{3}\bar{3}0)$	1	0	0	1	0	1	$3\overline{3}$	$4\overline{4}1\overline{1}$	$3\overline{3}00$
12	$(\bar{4}\bar{4}0)$	1	0	0	0	0	0	$4\overline{4}$	$5\overline{5}1\overline{1}$	$4\overline{4}00$
15	$(\bar{5}\bar{5}0)$	1	0	0	1	0	1	$5\overline{5}$	$6\overline{6}1\overline{1}$	$5\overline{5}00$
20	(440)	0	0	0	0	0	0	$\frac{\overline{4}4}{\overline{}}$	$\overline{2}22\overline{2}$	<u>4</u> 400
23	(330)	0	0	0	1	0	1	33	$\overline{1}12\overline{2}$	3300
26	(220)	0	0	0	0	0	0	$\overline{2}2$	$002\overline{2}$	$\overline{2}200$
21	(110)	0	0	0	1	0	1	<u>1</u> 1	$1\overline{1}2\overline{2}$	1100
24	(000)	0	0	0	0	0	0	00	$2\overline{2}2\overline{2}$	0000
27	$(\bar{1}\bar{1}0)$	1	0	0	1	0	1	$\frac{1\overline{1}}{2\overline{2}}$	$3\overline{3}2\overline{2}$	$\frac{1\overline{1}00}{2\overline{2}00}$
22	$(\bar{2}\bar{2}0)$	1	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	$4\overline{4}2\overline{2}$	$\frac{2\overline{2}00}{2\overline{2}00}$
25 30	$(\bar{3}\bar{3}0)$	1	0	0	1	0	1	$\frac{3\overline{3}}{\overline{6}6}$	$\frac{5\overline{5}2\overline{2}}{\overline{3}33\overline{3}}$	3300
33	(660) (550)	0	0	0	0	0	$\frac{0}{1}$	$\frac{66}{55}$	$\frac{3333}{2233}$	$\frac{\overline{6}600}{\overline{5}500}$
$\frac{36}{36}$	(440)	0	0	0	0	0	0	$\frac{55}{44}$	$\frac{2233}{1133}$	$\frac{3500}{4400}$
$\frac{30}{31}$	(330)	0	0	0	1	0	1	33	$\frac{1133}{003\overline{3}}$	$\frac{4400}{3300}$
$\frac{31}{34}$	(220)	0	0	0	0	0	0	$\frac{33}{22}$	$\frac{0033}{1\overline{1}3\overline{3}}$	$\frac{3300}{2200}$
$\frac{34}{37}$	(220) $(110)$	0	0	0	1	0	1	$\frac{22}{11}$	$\frac{2\overline{2}3\overline{3}}{2\overline{2}}$	$\frac{2200}{1100}$
32	(000)	0	0	0	0	0	0	00	$\frac{2\overline{2}\overline{3}}{3\overline{3}}\overline{3}$	0000
35	$(\bar{1}\bar{1}0)$	1	0	0	1	0	1	$\frac{00}{1\overline{1}}$	$\frac{333}{4\overline{4}3\overline{3}}$	$\overline{1100}$
	(110)	123.3			assification				1100	
77	**** o 1*		$\frac{650 P_I 4}{4^{001}}$	$\frac{2^{100}}{}$		$\frac{= \mathbb{Z}_{M}}{2^{110}}$	$X_{\rm BS} = \mathbb{Z}_8  \text{SI} = \overline{4}^{001}$	$= z_8$	C 200 001	C <sub>200</sub> 110
$\mathbb{Z}_8$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$						$Cm_{(2)}^{010}$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{110}$
0	$(\bar{8}\bar{8}\bar{8})$	1	0	0	0	0	0	8800	8800	$\frac{8\overline{8}}{\overline{4}4}$
0	(444) (222)	0	0	0	0	0	0	$\frac{\overline{2}200}{\overline{2}200}$	$\frac{\overline{4}400}{0000}$	$\frac{44}{22}$
0	(222) $(444)$	0	0	0	0	0	0	$\frac{2200}{4400}$	$\frac{0000}{4400}$	$\frac{22}{22}$
3	(444) $(111)$	1	0	0	1	0	1	$\frac{4400}{1\overline{1}00}$	$\frac{4400}{1\overline{1}00}$	$\frac{22}{1\overline{1}}$
$\frac{3}{6}$	$(\overline{2}\overline{2}\overline{2})$	1	0	0	0	0	0	$\frac{1100}{2\overline{2}00}$	$\frac{1100}{2\overline{2}00}$	$\frac{11}{2\overline{2}}$
1	$(\overline{3}\overline{3}\overline{3})$	1	0	0	1	0	<u>0</u>	$\frac{2200}{3\overline{3}00}$	$\frac{2200}{3\overline{3}00}$	$\frac{22}{3\overline{3}}$
4	$(\overline{4}\overline{4}\overline{4})$	1	0	0	0	0	0	$\frac{3500}{4\overline{4}00}$	$\frac{3500}{4\overline{4}00}$	$\frac{35}{4\overline{4}}$
7	$(\overline{555})$	1	0	0	1	0	1	$\frac{5500}{5}$	$\frac{5500}{5}$	$\frac{\overline{55}}{5}$
2	$(\overline{6}\overline{6}\overline{6})$	1	0	0	0	0	0	6600	6600	$\frac{\overline{66}}{6}$
5	(777)	1	0	0	1	0	1	$7\overline{7}00$	7700	$7\overline{7}$
	, ,	194 9	R51 P4/	mcc Classi	fication -	7. N X DC	$=\mathbb{Z}_4$ SI $=z$			
$\mathbb{Z}_4$	weak	4001		$\frac{i}{i}$	4.4.0	$\frac{2M}{4^{001}}$	47.0	0.04		
			$\frac{2^{100}_{00\frac{1}{2}}}{0}$		$\frac{2_{00\frac{1}{2}}^{110}}{0}$		$g_{00\frac{1}{2}}^{110}$	$\frac{Cm_{(4)}^{001}}{4\overline{4}00}$		
0	(000)	0	0	0	0	0	0	0000		
	(000)	0	0	1	0	0	0	$\frac{0000}{1\overline{1}00}$		
$\frac{1}{2}$	(000)	0	0	0	0	0	0	$\frac{1100}{2\overline{2}00}$		
$\frac{2}{3}$	(000)	0	0	1	0	1	1	$\frac{2200}{3\overline{3}00}$		
	(000)	_					77 CT			
	1	$\frac{124.5}{4^{001}*}$	$\frac{504 P4'}{5100}$	mc'c Clas	SINCATION =	$=\frac{\mathbb{Z}_M}{4^{001}}$ *	$_{\mathrm{SS}} = \mathbb{Z}_4  \mathrm{SI} =$	$\frac{z_{4P}^{\cdot}}{Q_{\cdot \cdot \cdot}}$ 001		
$\mathbb{Z}_4$	weak	<u> </u>	$2^{100}_{00\frac{1}{2}}*$	i	$2^{110}_{00\frac{1}{2}}$		$g_{00\frac{1}{2}}^{1\overline{1}0}$	$Cm_{(2)}^{001}$		
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	$\frac{1\overline{1}00}{2\overline{2}00}$		
2	(000)	0	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$		
1	(000)	1	1	1	0	0	1	3300		
			355 P4'		sification =		$_{\mathrm{SS}} = \mathbb{Z}_4 \text{ SI} =$	$z'_{4P}$		
$\mathbb{Z}_4$	weak	$4^{001}*$	$2^{100}_{00\frac{1}{2}}$	i	$2^{110}_{00\frac{1}{2}}*$	$\bar{4}^{001}*$	$g_{00\frac{1}{2}}^{110}*$	$Cm_{(2)}^{001}$		
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	$1\overline{1}00$		

	(000)	0	0	0	0	0	0	$2\overline{2}00$		
$\frac{2}{1}$	(000)	1	0	1	1	0	0	$\frac{2200}{3\overline{3}00}$		
	(000)	_			rgification :		$S = \mathbb{Z}_2$ $SI =$			
$\mathbb{Z}_2$	weak	4001*	$\frac{2^{100}_{00\frac{1}{2}}}{2^{100}_{00\frac{1}{2}}}$	$\frac{m \ c \ c}{i*}$		$\frac{- \omega_2}{4^{001}}$		$z_{2,S_4}$		
		_			$2^{110}_{00\frac{1}{2}}*$		$g_{00\frac{1}{2}}^{1\overline{10}}$			
	(000)	0	0	0	0	0	0			
1	(000)						1	+ +		
		124.357 <i>F</i>	$\frac{34/mc'c'}{2100}$		$on = \mathbb{Z}_M >$	$\frac{\langle \mathbb{Z} \mid \mathbf{X}_{\mathrm{BS}} : \overline{4}^{001} \rangle}{\overline{4}^{001}}$	$=\mathbb{Z}_{4,4}$ SI $=$	$z_{4m,0}, z_{4m,\pi}$		
$\mathbb{Z}_{4,4}$	weak	$4^{001}$	$2^{100}_{00\frac{1}{2}}*$	i	$2^{110}_{00\frac{1}{2}}*$	4001	$g_{00\frac{1}{2}}^{1\overline{10}}*$	$Cm_{(4)}^{001}$		
00	(000)	0	0	0	0	0	0	$4\overline{4}00$		
00	(008)	0	0	0	0	0	4	0844		
00	(000)	0	0	0	0	0	0	0000		
01	(002)	0	0	1	0	1	$\frac{1}{5}$	0211		
02	(004)	0	0	0	0	0	$\frac{\bar{2}}{\bar{2}}$	0422		
03	$(00\bar{6})$ $(000)$	0	0	$\frac{1}{1}$	$\frac{0}{1}$	1 1	3	$\frac{0633}{1\overline{1}00}$		
10 11	$(000)$ $(00\bar{2})$	0	1	0	1	0	$\frac{0}{\bar{1}}$	1111		
12	(002) $(004)$	0	1	1	1	1	$\frac{1}{2}$	1322		
$\frac{12}{13}$	(004) $(006)$	0	1	0	1	0	$\frac{2}{3}$	1533		
20	(000)	0	0	0	0	0	0	$\frac{1555}{2\overline{2}00}$		
$\frac{20}{21}$	$(000)$ $(00\bar{2})$	0	0	1	0	1	$\frac{\overline{1}}{1}$	2011		
22	$(00\overline{4})$	0	0	0	0	0	$\frac{1}{2}$	2222		
23	$(00\bar{6})$	0	0	1	0	1	$\frac{-}{3}$	2433		
30	(000)	0	1	1	1	1	0	3300		
31	$(00\overline{2})$	0	1	0	1	0	<u> </u>	3111		
32	(004)	0	1	1	1	1	$\bar{2}$	3122		
33	$(00\bar{6})$	0	1	0	1	0	3	3333		
		124.	358 P4'/	m'cc' Clas	ssification :	$=\mathbb{Z}_2$ $X_{BS}$	$S = \mathbb{Z}_2$ $SI =$	$z_{2.S_4}$		
$\overline{\mathbb{Z}_2}$	weak	4 <sup>001</sup> *	$2^{100}_{00\frac{1}{2}}*$	i*	$2^{110}_{00\frac{1}{2}}$	$\bar{4}^{001}$	$g_{00\frac{1}{2}}^{110}*$	-,~4		
0	(000)	0	$00\frac{1}{2}$	0	$\frac{00_{\overline{2}}}{0}$	0	0			
1	(000)	1	1	0	0	1	0			
	/	124	360 P <sub>-</sub> 4/-	mcc Class	ification =	$\mathbb{Z}_M$ $X_{DS}$	$S = \mathbb{Z}_4$ $SI =$	z+		_
$\overline{\mathbb{Z}_4}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{4^{001}}{4^{001}}$	$\frac{2^{100}*}{}$	$\frac{1}{i}$	2 <sup>110</sup> *	$\frac{5-224}{4^{001}}$	$\frac{\sim_{4m,0}}{m_{1\bar{1}0}*}$	$Cm_{(4)}^{001}$	
0	(004)	1	0	0	0	0	0	0	$\frac{-4400}{4400}$	
0	$(00\overline{2})$	0	0	0	0	0	0	0	0000	
1	(001)	1	0	1	1	1	1	0	$\frac{\overline{1100}}{1100}$	
2	(002)						-	O		
3			()	()	()	()	0	0	2200	
J	/	1 1	0	0	0 1	0	0	0	$\frac{2\overline{2}00}{3\overline{3}00}$	
	(003)	1	0	1	1	1	1	0	$\frac{2200}{3\overline{3}00}$	
	(003)	1 124.3	$\frac{0}{861 \ P_C 4/}$	1 Class	1 sification =	$\mathbb{Z}_M$ $\mathbb{X}_{\mathrm{BS}}$	$ \frac{0}{1} $ $S = \mathbb{Z}_4  SI = \frac{1}{4001} $	$\frac{0}{z_{4m,0}^{+}}$	3300	
$\mathbb{Z}_4$	(003) weak	$ \frac{1}{124.3} $ $ \frac{1}{\{1 \frac{1}{2}\frac{1}{2}0\}*} $	$\frac{0}{361 \frac{P_C 4}{4^{001}}}$	$ \frac{1}{2 \frac{110}{000\frac{1}{2}}} $	$\frac{1}{i}$	$\frac{1}{2_{00\frac{1}{2}}^{010}}$	$\frac{1}{S = \mathbb{Z}_4  SI = \frac{1}{4001}}$	$\begin{array}{c} 0 \\ z_{4m,0}^+ \\ g_{00\frac{1}{2}}^{100} \end{array}$	$3\overline{3}00$ $Cm^{001}_{(4)}$	
$\frac{\mathbb{Z}_4}{0}$	$\begin{array}{ c c c }\hline (003)\\\hline & weak\\\hline & (\bar{4}\bar{4}0)\\\hline \end{array}$	$ \begin{array}{c c} 1 \\ \hline 124.5 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 1 \end{array} $	$   \begin{array}{r}     \hline       0 \\       \hline       361 P_C 4/ \\       \hline       4^{001} \\       \hline       0   \end{array} $	$ \frac{1}{mcc} \frac{1}{Class} \\ \frac{2^{110}_{00\frac{1}{2}}}{0} $	$\frac{1}{i}$ $0$	$ \begin{array}{c c} \hline 1 \\ \hline 2_{00\frac{1}{2}}^{010} \\ \hline 0 \end{array} $	$\frac{1}{S = \mathbb{Z}_4  \text{SI} = \frac{1}{4^{001}}}$	$\begin{array}{c} 0 \\ z_{4m,0}^+ \\ g_{00\frac{1}{2}}^{100} \\ 0 \end{array}$	$ \begin{array}{c} 3\overline{3}00 \\ Cm^{001}_{(4)} \\ 4\overline{4}00 \end{array} $	
$\mathbb{Z}_4$ $0$ $0$	$\begin{array}{c} \text{(003)} \\ \text{weak} \\ \hline (\overline{440}) \\ \hline (220) \\ \end{array}$	$ \begin{array}{r} 1 \\ \hline 124.3 \\ \hline \{1 \frac{1}{2}\frac{1}{2}0\}* \\ \hline 1 \\ 0 \end{array} $	$ \begin{array}{c} 0 \\ 361  P_C 4/\\ 4^{001} \\ \hline 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline 1 \\ \hline mcc & Class \\ \hline 2^{110}_{000\frac{1}{2}} \\ \hline 0 \\ \hline 0 \end{array} $	$ \frac{1}{i} $ $ \frac{0}{0} $	$ \begin{array}{c c} \hline 1 \\ \hline 2010 \\ 000\frac{1}{2} \\ \hline 0 \\ 0 \end{array} $	$ \begin{array}{c} 1\\ S = \mathbb{Z}_4  SI = \\ \hline 4^{001} \\ 0\\ 0 \end{array} $	$\begin{array}{c} 0 \\ z_{4m,0}^+ \\ g_{00\frac{1}{2}}^{100} \end{array}$	$ \begin{array}{c} 3\overline{3}00 \\ \hline Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \end{array} $	
$ \begin{array}{c c} \hline \mathbb{Z}_4 \\ \hline 0 \\ 0 \\ 1 \end{array} $	$(003)$ weak $(\bar{4}\bar{4}0)$ $(220)$ $(\bar{1}\bar{1}0)$	$ \begin{array}{c c} 1 & 124.3 \\  \hline                                  $	$ \begin{array}{c c} \hline 0 \\ \hline 361 & P_C 4/\\ \hline 4^{001} \\ \hline 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline  & 1 \\ \hline  & Class \\ \hline  & 2_{00\frac{1}{2}}^{110} \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 0 \end{array} $	$ \begin{array}{c} 1 \\ \text{sification} = i \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} 1 \\ \hline 2_{00\frac{1}{2}}^{010} \\ 0 \\ 0 \\ 0 \end{array} $	$ \frac{1}{S} = \mathbb{Z}_4  \text{SI} = \frac{0}{4^{001}} $ $ \frac{0}{1} $	$ \begin{array}{c} 0 \\ z_{4m,0}^+ \\ g_{00\frac{1}{2}}^{100} \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 3\overline{3}00 \\ Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \end{array} $	
$ \begin{array}{c c} \hline \mathbb{Z}_4 \\ \hline 0 \\ 0 \\ \hline 1 \\ 2 \end{array} $		$ \begin{array}{c c} 1 & 124.5 \\  \hline                                  $	$ \begin{array}{c c} \hline 0 \\ \hline 361 & P_C 4/\\ 4^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline  & 1 \\ \hline  & Class \\ \hline  & 2_{00\frac{1}{2}}^{110} \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 0 \end{array} $	$ \frac{1}{i} $ $ \frac{0}{0} $	$ \begin{array}{c c} \hline 1 \\ \hline 2010 \\ 200\frac{1}{2} \\ \hline 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 1 \\ S = \mathbb{Z}_4  \text{SI} = \\ \hline 4^{001} \\ 0 \\ 0 \\ 1 \\ 0 \end{array} $	$\begin{array}{c} 0 \\ z_{4m,0}^+ \\ g_{00\frac{1}{2}}^{100} \\ 0 \end{array}$	$ \begin{array}{c} 3\overline{3}00 \\ Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \end{array} $	
$ \begin{array}{c c} \hline \mathbb{Z}_4 \\ \hline 0 \\ 0 \\ 1 \end{array} $	$(003)$ weak $(\bar{4}\bar{4}0)$ $(220)$ $(\bar{1}\bar{1}0)$	$ \begin{array}{c c} 1 \\ \hline 124.5 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ \hline 1 \\ 0 \\ \hline 1 \\ 1 \\ 1 \end{array} $	$ \begin{array}{c c} \hline 0 \\ \hline 361 & P_C 4/\\ 4^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline                                    $	$ \frac{1}{sification} = \frac{1}{s} $ $ 0$ $ 0$ $ 1$ $ 0$ $ 1$	$\begin{array}{c c} 1 \\ \hline 2_{00\frac{1}{2}}^{010} \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} 1 \\ S = \mathbb{Z}_4  SI = \\ \hline 4^{001} \\ 0 \\ 0 \\ 1 \\ 0 \end{array} $	$\begin{array}{c} 0 \\ z_{4m,0}^+ \\ g_{00\frac{1}{2}}^{100} \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array}$	$ \begin{array}{c} 3\overline{3}00 \\ Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \end{array} $	
$ \begin{array}{c c}  & \mathbb{Z}_4 \\ \hline  & 0 \\  & 0 \\ \hline  & 1 \\ \hline  & 2 \\ \hline  & 3 \\ \end{array} $	weak (440) (220) (110) (220) (330)	$ \begin{array}{r} 1 \\ 124.5 \\ 1 \\ 1 \\ 1 \\ 0 \\ 1 \\ 1 \\ 1 \\ 124.5 \end{array} $	$ \begin{array}{c c} \hline 0 \\ \hline 361 & P_C 4/\\ 4^{001} \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 362 & P_I 4/ \end{array} $	$ \begin{array}{c c} \hline 1 \\ \hline mcc & Class \\ \hline 2^{110}_{00\frac{1}{2}} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline mcc & Class \\ \end{array} $	$ \begin{array}{c} 1 \\ \text{sification} = \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ \text{ification} = \\ \end{array} $	$ \begin{array}{c c} \hline 1 \\ \hline & \mathbb{Z}_{M} & X_{BS} \\ \hline & 2^{010}_{00\frac{1}{2}} \\ \hline & 0 \\ & 0 \\ \hline & 0 \\ \hline & 0 \\ \hline & 0 \\ \hline & 0 \end{array} $	$ \begin{array}{c} 1 \\ S = \mathbb{Z}_4  \text{SI} = \\ \hline 4^{001} \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ S = \mathbb{Z}_4  \text{SI} = \\ \end{array} $	$\begin{array}{c} 0 \\ z_{4m,0}^+ \\ g_{000\frac{1}{2}}^{100} \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ z_{4m,0}^+ \end{array}$	$ \begin{array}{c} 3\overline{3}00 \\ \hline Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \end{array} $	
$egin{array}{c} \mathbb{Z}_4 & & & \\ 0 & & & \\ 0 & & & \\ 1 & & & \\ 2 & & & \\ 3 & & & \\ & & & \\ \mathbb{Z}_4 & & & \\ \end{array}$		$ \begin{array}{c c} 1 \\ 124.5 \\ 1 \\ 1 \\ 1 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 124.5 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c c} \hline 0 \\ \hline 361 & P_C 4/\\ 4^{001} \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 362 & P_I 4/\\ 4^{001} \end{array} $	$ \begin{array}{c c} \hline 1 \\ \hline mcc & \text{Class} \\ \hline 2^{110}_{00\frac{1}{2}} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline mcc & \text{Class} \\ \hline 2^{100}_{00\frac{1}{2}} \\ \hline \end{array} $	$ \begin{array}{c} 1 \\ \hline i \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $ iffication =	$\begin{array}{c c} 1 \\ \hline 2_{00\frac{1}{2}}^{010} \\ \hline 2_{00\frac{1}{2}}^{010} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline Z_M & X_{BS} \\ \hline 2_{00\frac{1}{2}}^{110} \\ \hline \end{array}$	$ \frac{1}{S} = \mathbb{Z}_{4}  \text{SI} = \frac{1}{4^{001}} $ $ 0 $ $ 0 $ $ 1 $ $ 0 $ $ 1 $ $ S = \mathbb{Z}_{4}  \text{SI} = \frac{1}{4^{001}} $	$\begin{array}{c} 0 \\ z_{4m,0}^+ \\ g_{00\frac{1}{2}}^{100} \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ z_{4m,0}^+ \\ g_{00\frac{1}{2}}^{110} \\ \end{array}$	$ \begin{array}{c} 3\overline{3}00 \\ \hline Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \end{array} $	
$ \begin{array}{c c}  & \mathbb{Z}_4 \\ \hline 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ \hline \mathbb{Z}_4 \\ 0 \end{array} $	weak   (440)   (220)   (110)   (220)   (330)   weak   (444)	$ \begin{array}{r} 1 \\ 124.3 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 1 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 124.3 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 1 \end{array} $	$ \begin{array}{c c} \hline 0 \\ \hline 361 & P_C 4/\\ 4^{001} \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 362 & P_I 4/\\ 4^{001} \\ \hline 0 \\ \end{array} $	$\begin{array}{c c} 1 \\ \hline mcc & Class \\ \hline 2^{110}_{00\frac{1}{2}} \\ \hline 0 \\ \hline mcc & Class \\ \hline 2^{100}_{00\frac{1}{2}} \\ \hline 0 \\ \hline \end{array}$	$ \begin{array}{c} 1 \\ sification = \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 0 \\ 1 \\ 0 \\ 0 \end{array} $	$\begin{array}{c c} 1 \\ \hline 2_{00\frac{1}{2}}^{010} \\ \hline 2_{00\frac{1}{2}}^{010} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline Z_M & X_{BS} \\ \hline 2_{00\frac{1}{2}}^{110} \\ \hline 0 \\ \hline \end{array}$	$ \begin{array}{c} 1 \\ S = \mathbb{Z}_4  SI = \\ \hline 4^{001} \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ S = \mathbb{Z}_4  SI = \\ \hline 4^{001} \\ 0 \end{array} $	$\begin{matrix} & & & & & \\ & z^+_{4m,0} & & & \\ & g^{100}_{00\frac{1}{2}} & & & \\ & & 0 & & \\ & & 1 & & \\ & & 0 & & \\ & & 1 & & \\ & & & 2^+_{4m,0} & & \\ & & & & g^{110}_{00\frac{1}{2}} & \\ & & & 0 & & \\ \end{matrix}$	$ \begin{array}{c} 3\overline{3}00 \\ \hline Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm_{(4)}^{001} \\ 4\overline{4}00 \\ \end{array} $	
$ \begin{array}{c c} \mathbb{Z}_4 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 0 \end{array} $	weak (440) (220) (110) (220) (330)  weak (444) (222)	$ \begin{array}{c c} 1 & 124.5 \\ \hline  & \{1 \frac{1}{2}\frac{1}{2}0\}* \\ \hline  & 1 & 0 \\ \hline  & 1 & 1 \\ \hline  & 1 & 1 \\ \hline  & 124.5 \\ \hline  & \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ \hline  & 1 & 0 & 0 \end{array} $	$ \begin{array}{c c} \hline 0 \\ \hline 0 \\ \hline 361 & P_C 4/\\ 4^{001} \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 362 & P_I 4/\\ 4^{001} \\ \hline 0 \\ 0 \\ \hline 0 \end{array} $	$ \begin{array}{c c} \hline 1 \\ \hline mcc & Class \\ \hline 2_{00\frac{1}{2}}^{110} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline mcc & Class \\ \hline 2_{00\frac{1}{2}}^{100} \\ \hline 0 \\ \hline 0 \\ \hline \end{array} $	$ \begin{array}{c} 1 \\ sification = \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ sification = \\ i \\ 0 \\ 0 \end{array} $	$\begin{array}{c c} 1 \\ \hline 2_{00\frac{1}{2}}^{010} \\ \hline 2_{00\frac{1}{2}}^{010} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline Z_M & X_{BS} \\ \hline 2_{00\frac{1}{2}}^{110} \\ \hline 0 \\ \hline 0 \\ \hline \end{array}$	$ \begin{array}{c c} 1 & \\ S = \mathbb{Z}_4 & SI = \\ \hline 4^{001} & \\ 0 & \\ 1 & \\ 0 & \\ 1 & \\ S = \mathbb{Z}_4 & SI = \\ \hline 4^{001} & \\ 0 & \\ 0 & \\ 0 & \\ \end{array} $	$\begin{array}{c} 0 \\ z_{4m,0}^{+} \\ g_{00\frac{1}{2}}^{100} \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ z_{4m,0}^{+} \\ g_{00\frac{1}{2}}^{110} \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} 3\overline{3}00 \\ \hline Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \\ \hline Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ \end{array} $	
$ \begin{array}{c c} \mathbb{Z}_4 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 1 \end{array} $	weak (440) (220) (110) (220) (330)  weak (444) (222) (111)	$ \begin{array}{c c} 1 & 124.5 \\  \hline                                  $	$ \begin{array}{c c} \hline 0 \\ \hline 0 \\ \hline 361 & P_C 4/\\ \hline 4^{001} \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 362 & P_I 4/\\ \hline 4^{001} \\ \hline 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline 1 \\ \hline mcc & Class \\ \hline 2_{000\frac{1}{2}}^{110} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline \\ mcc & Class \\ \hline 2_{000\frac{1}{2}}^{100} \\ \hline 0 \\ \hline \\ 0 \\ \hline 0 \\ \hline \end{array} $	$ \begin{array}{c} 1 \\ sification = \\ 0 \\ 0 \\ 1 \\ 0 \\ \hline 1 \\ sification = \\ 0 \\ 0 \\ 1 \end{array} $	$\begin{array}{c c} 1 \\ \hline 2_{00} & X_{BS} \\ \hline 2_{000\frac{1}{2}}^{010} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline Z_M & X_{BS} \\ \hline 2_{000\frac{1}{2}}^{110} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline \end{array}$	$ \begin{array}{c} 1 \\ S = \mathbb{Z}_4  SI = \\ \hline 4^{001} \\ 0 \\ 0 \\ 1 \\ 0 \\ 3 = \mathbb{Z}_4  SI = \\ \hline 4^{001} \\ 0 \\ 0 \\ 1 \end{array} $	$\begin{array}{c} 0 \\ z_{4m,0}^+ \\ g_{000\frac{1}{2}}^{100} \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ z_{4m,0}^+ \\ g_{000\frac{1}{2}}^{110} \\ 0 \\ 0 \\ 1 \\ \end{array}$	$ \begin{array}{c} 3\overline{3}00 \\ \hline Cm^{001}_{(4)} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm^{001}_{(4)} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \end{array} $	
$ \begin{array}{c c}  & \mathbb{Z}_4 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ \hline  & \mathbb{Z}_4 \\ 0 \\ 0 \\ 1 \\ 2 \end{array} $	weak (440) (220) (110) (220) (330)  weak (444) (222) (111) (222)	$ \begin{array}{c c} 1 \\ 124.5 \\ 1 \\ 1 \\ 1 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c c} \hline 0 \\ \hline 361 & P_C 4/\\ 4^{001} \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 362 & P_I 4/\\ 4^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline 1 \\ \hline mcc & Class \\ \hline 2_{000\frac{1}{2}}^{110} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline \hline mcc & Class \\ \hline 2_{000\frac{1}{2}}^{100} \\ \hline 0 \\ \hline \end{array} $	$ \begin{array}{c} 1 \\ \hline i \\ 0 \\ 0 \\ 1 \\ 0 \\ \hline ification = \\ i \\ 0 \\ 0 \\ 1 \\ 0 \end{array} $	$\begin{array}{c c} 1 \\ \hline 2_{00} & X_{BS} \\ \hline 2_{000\frac{1}{2}}^{010} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline Z_M & X_{BS} \\ \hline 2_{000\frac{1}{2}}^{110} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline \end{array}$	$ \frac{1}{S} = \mathbb{Z}_{4}  \text{SI} = \frac{1}{4^{001}} $ $ 0 $ $ 0 $ $ 1 $ $ 0 $ $ 1 $ $ S = \mathbb{Z}_{4}  \text{SI} = \frac{1}{4^{001}} $ $ 0 $ $ 0 $ $ 1 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $	$\begin{array}{c} 0 \\ z_{4m,0}^+ \\ g_{000\frac{1}{2}}^{100} \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ z_{4m,0}^+ \\ g_{000\frac{1}{2}}^{110} \\ 0 \\ 0 \\ 1 \\ 0 \\ \end{array}$	$ \begin{array}{c} 3\overline{3}00 \\ \hline Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 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} \mathbb{Z}_4 \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ \hline \mathbb{Z}_4 \\ 0 \\ 0 \\ 1 \end{array} $	weak (440) (220) (110) (220) (330)  weak (444) (222) (111)	$ \begin{array}{c c} 1 & 124.3 \\ \hline  & \{1 \frac{1}{2}\frac{1}{2}0\}* \\ \hline  & 1 & 0 \\ \hline  & 1 & 1 \\ \hline  & 1 & 1 \\ \hline  & 124.3 \\ \hline  & \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ \hline  & 1 & 0 \\ \hline  & 1 & 1 \\ \hline  & 1 & 1 \end{array} $	$ \begin{array}{c c} \hline 0 \\ \hline 361 & P_C 4/\\ 4^{001} \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 362 & P_I 4/\\ 4^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline 1 \\ \hline mcc & Class \\ \hline 2_{000\frac{1}{2}}^{110} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline c \\ \hline 0 \\ \hline c \\ \hline 0 \\ \hline c \\ \hline 0 \\ 0 \\$	$ \begin{array}{c} 1 \\ sification = \\ i \\ 0 \\ 0 \\ 1 \\ olimits \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $	$\begin{array}{c c} 1 \\ \hline 2_{M} & X_{BS} \\ \hline 2_{00\frac{1}{2}}^{010} \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline Z_{M} & X_{BS} \\ \hline 2_{00\frac{1}{2}}^{110} \\ \hline 0 \\ \hline \end{array}$	$ \begin{array}{c} 1 \\ S = \mathbb{Z}_4  SI = \\ \hline 4^{001} \\ 0 \\ 0 \\ 1 \\ 0 \\ 3 = \mathbb{Z}_4  SI = \\ \hline 4^{001} \\ 0 \\ 0 \\ 1 \end{array} $	$\begin{array}{c} 0 \\ z_{4m,0}^{+} \\ g_{000\frac{1}{2}}^{100} \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ z_{4m,0}^{+} \\ g_{000\frac{1}{2}}^{110} \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ \end{array}$	$ \begin{array}{c} 3\overline{3}00 \\ \hline Cm^{001}_{(4)} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm^{001}_{(4)} \\ 4\overline{4}00 \\ 0000 \\ 1\overline{1}00 \end{array} $	

	1.	4001	o100	•	$2^{110}$	4001	C110			
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{0\frac{1}{2}0}$	i		$ar{4}^{001}_{rac{1}{2}00}$	$Cm_{(2)}^{110}$			
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	$1\overline{1}$			
		125.	$366 \ P4'/$	nb'm Clas	sification =	$= \mathbb{Z}_M  X_{\mathrm{B}}$	$S = \mathbb{Z}_2$ $SI =$	$=z_{2P}^{\prime}$		
$\mathbb{Z}_2$	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	$\frac{2\overline{2}}{2}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
1	(000)	1	1	1	0	0	1 <u>1</u>			
	,	125	367 P4'	'nhm' Cla	ssification	$= \mathbb{Z}_{0}  X_{DS}$	$S = \mathbb{Z}_2$ $SI =$	z' _		
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}00}*$		$\frac{i}{i}$	2 <sup>110</sup> *	$\frac{-22}{\bar{4}_{\frac{1}{2}00}^{001}}*$	$\frac{g^{110}}{g^{110}_{\frac{1}{2}\frac{1}{2}0}}*$	~2P		
			$2^{100}_{0\frac{1}{2}0}$							
0	(000)	0	0	0	0	0	0			
1	(000)	1	0	1	1	0	0			
		125.3	$868  ext{ } P4'/n$	a'b'm Clas	sification =	$=\mathbb{Z}_{M}$ $X_{BS}$	$S = \mathbb{Z}_2$ $SI =$	$z_{2,S_4}$		
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{0\frac{1}{2}0}$	i*	$2^{110}*$	$\frac{4001}{4_{\frac{1}{2}00}}$	$Cm_{(0)}^{110}$			
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	$1\overline{1}$			
	, ,	125.369	P4/nb'm'	Classifica	$tion = \mathbb{Z} \times$	7,2 Xpg :	$=\mathbb{Z}_{2,4}$ SI $=$	79 S 74C		
$\overline{\mathbb{Z}_{2,4}}$	weak	$4^{001}_{\frac{1}{2}00}$	$\frac{2^{100}_{0\frac{1}{2}0}*}{2^{100}_{0\frac{1}{2}0}}$	i	2 <sup>110</sup> *	$\frac{\bar{4}_{\frac{1}{2}00}^{001}}{\bar{4}_{\frac{1}{2}00}^{001}}$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$	~2,54,~40		
					0	$\frac{\frac{1}{2}00}{0}$	$\frac{9\frac{1}{2}\frac{1}{2}0}{0}$			
00	(000)	0	0	0						
00	(004)	0	0	0	0	0	0			
01	(001)	0	0	0	0	0	0			
02	(002)	0	0	0	0	0	0			
03 10	(003)	0	0 1	0	0	0 1	0			
11	(000)	0		1	1		0			
$\frac{11}{12}$	(001)	0	1 1	1 1	1 1	1 1	0			
$\frac{12}{13}$	(002)	0	1	1	1	1	0			
	(003)									
						$=\mathbb{Z}_2$ $X_{BS}$	$=\mathbb{Z}_2$ SI =	$z_{2,S_4}$		
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{0\frac{1}{2}0}*$	i*	$2^{110}$	$\bar{4}^{001}_{\frac{1}{2}00}$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$			
0	(000)	0	0	0	0	0	0			
1	(000)	1	1	0	0	1	0			
		125.	$.372 P_{c}4/$	nbm Clas	sification =	$=\mathbb{Z}_{M}$ $X_{BS}$	$S = \mathbb{Z}_2$ $SI =$	$z'_{2P}$		
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{0\frac{1}{2}0}$	i	2110	$\frac{1}{4^{001}_{\frac{1}{2}00}}$	$Cm_{(2)}^{110}$		
0	(002)	1	$\frac{\frac{1}{2}00}{0}$	$0^{\frac{1}{2}0}$	0	0	$\frac{1}{2}00$	$\frac{2\overline{2}}{2\overline{2}}$		
0	(000)	0	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$		
1	(001)	1	0	0	1	0	1	1 <u>1</u>		
	(001)			nbm Clas			$S = \mathbb{Z}_2$ $SI =$			
77.	weak			2110 s		$\frac{= \angle M  \Lambda_{\rm B}}{2010}$	$\frac{S = \mathbb{Z}_2}{\sqrt{1001}} = \frac{S1 = \frac{1}{1000}}{1000}$		$C_{m}^{110}$	
$\mathbb{Z}_2$		$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{0\frac{1}{2}0}*$	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{\frac{1}{2}00}$	$\bar{4}^{001}_{\frac{1}{2}00}$	$g_{\frac{1}{2}00}^{100}*$	$Cm_{(2)}^{110}$	
0	$(\bar{2}\bar{2}0)$	1	0	0	0	0	0	0	$2\overline{2}$	
0	(000)	0	0	0	0	0	0	0	$2\overline{2}$	
1	$(\bar{1}\bar{1}0)$	1	1	1	0	0	1	0	11	
				nbm Clas		$= \mathbb{Z}_M \overline{\mathbf{X}}_{\mathrm{BS}}$	$S = \mathbb{Z}_2  SI = \frac{4001}{4001} *$	$z_{2P}'$		
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{0\frac{1}{2}0}$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{110}$	$\overline{4_{0\frac{1}{2}\frac{1}{2}}^{001}}*$	$Cm_{(2)}^{110}$	· · · · · · · · · · · · · · · · · · ·	
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0	0	$2\overline{2}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}$		
1	$(\overline{1}\overline{1}\overline{1})$	1	0	0	0	0	0	$1\overline{1}$		
		126	6.375 P4	/nnc Clas	sification =	= Z <sub>2</sub> X <sub>DG</sub>	$=\mathbb{Z}_2$ SI $=$ 3	$z'_{0D}$		
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$	i	$2^{110}_{00\frac{1}{2}}$	$\frac{\bar{4}_{\frac{1}{2}00}^{001}}{\bar{4}_{\frac{1}{2}00}^{001}}$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}}{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}}$	· 2P		
			$\frac{2_{0\frac{1}{2}\frac{1}{2}}}{0}$	0	$\frac{2_{00\frac{1}{2}}}{0}$	$\frac{4\frac{1}{2}00}{0}$				
0	(000)	0	U	U	U	U	0			

1	(000)	0	0	1	0	1	1		
		126	5.378 P4'/	nn'c Cla	ssification =	$\mathbb{Z}_2$ $\mathbb{X}_{\mathrm{BS}}$	$=\mathbb{Z}_2$ SI =	$=z'_{2P}$	
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	i	$2^{110}_{00\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}00}*$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}$	21	
0	(000)	0	$\frac{0\bar{2}\bar{2}}{0}$	0	$00^{\frac{1}{2}}$	$\frac{-\frac{1}{2}00}{0}$	$\frac{\overline{2} \overline{2} \overline{2}}{0}$		
1	(000)	1	1	1	0	0	1		
	,	126	6.379  P4' /	nnc' Cla	ssification =	$\mathbb{Z}_2$ $\mathbb{X}_{\mathrm{RS}}$	$=\mathbb{Z}_2$ SI =	= z' <sub>2D</sub>	
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}00}*$	$\frac{2^{100}_{0\frac{1}{2}\frac{1}{2}}}{2^{100}_{0\frac{1}{2}\frac{1}{2}}}$	$\frac{i}{i}$	$2^{110}_{00\frac{1}{2}}*$	$\frac{-2}{\bar{4}^{001}_{\frac{1}{2}00}}*$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$	2P	
0	(000)	0	0 ½ ½	0	00 ½	$\frac{\frac{1}{2}00}{0}$	$0 = \frac{3 \frac{1}{2} \frac{1}{2} \frac{1}{2}}{0}$		
1	(000)	1	0	1	1	0	0		
		126.	$\frac{1}{380} P4'/r$	n'n'c Clas	ssification =	$\mathbb{Z}_2$ $\mathbb{X}_{BS}$	$=\mathbb{Z}_2$ SI $=$	Z2 S.	
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$	i*	$2^{110}_{00\frac{1}{2}}*$	$\frac{1}{4^{001}_{\frac{1}{2}00}}$	$g_{\frac{1}{1}\frac{1}{1}}^{1\overline{1}0}$	2,54	
0	(000)	0	0 ½ ½	0	00 ½	$\frac{\frac{1}{2}00}{0}$	$\frac{0}{2}\frac{1}{2}\frac{1}{2}$		
1	(000)	1	0	0	1	1	1		
		126.381	P4/nn'c'	Classificat	$ion = \mathbb{Z} \times \mathbb{Z}$	, Xpc =	$\mathbb{Z}_{2,2}$ SI =	72 5 740/2	
$\overline{\mathbb{Z}_{2,2}}$	weak	$\frac{4^{001}_{\frac{1}{2}00}}{4^{000}}$	$\frac{2^{100}}{2^{100}_{0\frac{1}{2}\frac{1}{2}}}*$	$\frac{i}{i}$	$\frac{2^{110}}{2^{110}_{00\frac{1}{2}}}*$	$\frac{12}{4001}$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*}{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{10}*}$	~2,54,~40/2	
$\frac{-22,2}{00}$	(000)	$\frac{1}{2}00}{0}$	$\frac{-0\frac{1}{2}\frac{1}{2}}{0}$	0	$\frac{-00\frac{1}{2}}{0}$	$\frac{\frac{1}{2}00}{0}$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0}$		
00	$(000)$ $(00\bar{4})$	0	0	0	0	0	$\frac{0}{2}$		
01	$(00\bar{2})$	0	1	0	1	0	$\frac{\frac{2}{1}}{1}$		
10	(000)	0	1	1	1	1	0		
11	$(00\overline{2})$	0	0	1	0	1	Ī		
		126.	$\frac{1}{382} P4'/r$	n'nc' Clas	ssification =	$\mathbb{Z}_2$ $X_{BS}$	$=\mathbb{Z}_2$ SI $=$	$z_{2.S_4}$	
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	i*	$2^{110}_{00\frac{1}{2}}$	$\frac{\bar{4}^{001}_{\frac{1}{2}00}}{4^{001}_{\frac{1}{2}00}}$	$g^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	, · · · <u>-</u>	
0	(000)	0	0	0	0	0	0		
1	(000)	1	1	0	0	1	0		
		126	$6.384  P_{c}4$	nnc Clas	ssification =	$\mathbb{Z}_2$ $X_{BS}$	$= \mathbb{Z}_2  SI =$	$z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{0\frac{1}{2}0}*$	i	2 <sup>110</sup> <sub>000</sub> *	$\bar{4}^{001}_{\frac{1}{2}00}$	$g_{\frac{1}{2}\frac{1}{2}0}^{1\overline{1}0}*$	
0	$(00\bar{2})$	1	$\frac{1}{2}00$	0	0	0	$\frac{1}{2}00$	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	
1	$(00\overline{1})$	1	0	1	1	1	1	0	
		126	$0.385 P_{C}4$	/nnc Cla	ssification =	$\mathbb{Z}_2$ $\mathbb{X}_{\mathrm{BS}}$	$=\mathbb{Z}_2$ SI =	$=z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{0\frac{1}{2}0}*$	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{\frac{1}{2}0\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}00}$	$g_{\frac{1}{2}0\frac{1}{2}}^{100}*$	
0	$(\bar{2}\bar{2}0)$	1	0	$\frac{222}{0}$	0	0	0	0	
1	$\overline{(\overline{1}\overline{1}0)}$	1	1	1	0	0	1	0	
		126	$6.386 P_{I}4$	nnc Clas	ssification =	$\mathbb{Z}_2$ $\mathbb{X}_{\mathrm{BS}}$	$=\mathbb{Z}_2$ SI $=$	$z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{110}_{00\frac{1}{2}}$	$\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}*$	$m_{1\bar{1}0}*$	
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0	0	0	
1	$(\overline{1}\overline{1}\overline{1})$	1	0	0	0	0	0	0	
		127.387	P4/mbm	Classifica	$ation = \mathbb{Z}_M^3$	$X_{BS} = \mathbb{Z}$	$a_{4,4}$ SI = $z_4$	$z_{4m,0}^+, z_{4m,\pi}^+$	
$\overline{\mathbb{Z}_{4,4}}$	weak	$4^{001}$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$\bar{4}^{001}$	$Cm_{(2)}^{1\bar{1}0}$	$Cm_{(4)}^{001}$	
00	(000)	0	$\frac{\frac{\overline{2}}{2}\overline{2}0}{0}$	0	$\frac{\overline{2} \overline{2} 0}{0}$	0	$\frac{4\overline{4}}{4\overline{4}}$	4400	
00	(000)	0	0	0	0	0	$\overline{4}4$	$004\overline{4}$	
00	(000)	0	0	0	0	0	$2\overline{2}$	0000	
00	(000)	0	0	0	0	0	$2\overline{2}$	$00\overline{4}4$	
01	(000)	0	0	1	0	1	<u>1</u> 1	$001\overline{1}$	
02	(000)	0	0	0	0	0	$\frac{\overline{2}2}{\overline{2}2}$	$002\overline{2}$	
03	(000)	0	0	1	0	1	33	$\frac{003\overline{3}}{1\overline{1}00}$	
$\frac{10}{11}$	(000)	0	0	0	0	0	$\frac{1\overline{1}}{00}$	$\frac{1\overline{1}00}{1\overline{1}1\overline{1}}$	
$\frac{11}{12}$	(000)	0	0	1	0	1	11	$\frac{1111}{1\overline{1}2\overline{2}}$	
$\frac{12}{13}$	(000)	0	0	0	0	0	$\frac{11}{\overline{2}2}$	$\frac{1122}{1\overline{1}3\overline{3}}$	
$\frac{10}{20}$	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	$\frac{1100}{2\overline{2}00}$	
21	(000)	0	0	1	0	1	$1\overline{1}$	$\frac{2\overline{2}1\overline{1}}{2}$	

22	(000)	0	0	0	0	0	00	$2\overline{2}2\overline{2}$	
$\frac{22}{23}$	(000)		0			0	$\frac{00}{\overline{1}1}$	$\frac{2\overline{2}\overline{2}}{2\overline{2}3\overline{3}}$	
$\frac{23}{30}$	(000)	0	0	1	0	1	$\frac{11}{3\overline{3}}$	$\frac{2233}{3\overline{3}00}$	
	\ /	0		1	0	1	$\frac{35}{2\overline{2}}$	3 <del>3</del> 1 <del>1</del>	
31	(000)	0	0	0	0	0	$\frac{22}{1\overline{1}}$	$\frac{3311}{3\overline{3}2\overline{2}}$	
32	(000)	0	0	1	0	$\frac{1}{2}$			
33	(000)	0	0	0	0	0	00	$3\overline{3}3\overline{3}$	
		127.390	P4'/mb'm	Classific	cation = $\mathbb{Z}^3_{\Lambda}$	$_{I}$ $X_{\mathrm{BS}}$ =	$=\mathbb{Z}_{2,4}$ $\mathrm{SI}=$	$z'_{2P,3}, z'_{4P}$	
$\mathbb{Z}_{2,4}$	weak	$4^{001}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$\bar{4}^{001}*$	$Cm_{(2)}^{1\bar{1}0}$	$Cm_{(2)}^{001}$	
00	(000)	0	0	0	0	0	44	$\overline{2}22\overline{2}$	
00	(000)	0	0	0	0	0	$4\overline{4}$	$4\overline{4}00$	
00	(000)	0	0	0	0	0	$2\overline{2}$	0000	
00	(000)	0	0	0	0	0	$\overline{2}2$	$\overline{2}2\overline{2}2$	
03	(000)	1	1	1	0	0	11	$1\overline{1}00$	
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	$\frac{\overline{2}}{2}$	1111	
13	(000)	1	1	1	0	0	<u> </u>	$\frac{001\overline{1}}{1}$	
12	(000)	0	0	0	0	0	00	$\frac{1\overline{1}1\overline{1}}{1}$	
11	(000)	1	1	1	0	0	$\frac{\overline{11}}{11}$	$\frac{2\overline{2}1\overline{1}}{2\overline{1}}$	
	(000)								
	, ,	127.391	P4'/mbm'		$\operatorname{cation} = \mathbb{Z}_{\Lambda}^2$	$\Lambda_{\rm BS} = \frac{1}{7001}$	$=\mathbb{Z}_{2,4}$ $SI =$	$z_{2m,\pi}, z_{4P}$	
$\mathbb{Z}_{2,4}$	weak	4 <sup>001</sup> *	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}*$	$g_{rac{1}{2}rac{1}{2}0}^{1ar{1}0}*$	$Cm_{(2)}^{001}$	
00	(000)	0	0	0	0	0	0	$\overline{2}22\overline{2}$	
00	(000)	0	0	0	0	0	0	$4\overline{4}00$	
00	(000)	0	0	0	0	0	0	$\overline{2}2\overline{2}2$	
03	(000)	1	0	1	1	0	0	$1\overline{1}00$	
02	(000)	0	0	0	0	0	0	$2\overline{2}00$	
01	(000)	1	0	1	1	0	0	$3\overline{3}00$	
10	(000)	0	0	0	0	0	0	<u>1</u> 1111	
13	(000)	1	0	1	1	0	0	$001\overline{1}$	
12	(000)	0	0	0	0	0	0	$1\overline{1}1\overline{1}$	
11	(000)	1	0	1	1	0	0	$2\overline{2}1\overline{1}$	
		127.3	92 P4'/m't	o'm Clas	sification =	- Z <sub>M</sub> X <sub>1</sub>	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ SI :	= 29 9.	
$\overline{\mathbb{Z}_2}$	weak	4001*	$\frac{2^{100}_{\frac{1}{2}\frac{1}{2}0}}{2^{100}}$	i*	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}*}{}$	$\frac{-2M}{4^{001}}$	$Cm_{(0)}^{1\bar{1}0}$	~2,54	
			$\frac{2\frac{1}{2}\frac{1}{2}0}{0}$		$\frac{2\frac{1}{2}\frac{1}{2}0}{0}$		$\frac{2\overline{2}}{2}$		
0	(000)	0	0	0	0	0			
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{1\overline{1}}$		
1	(000)	1	0	0	1	1	$1\overline{1}$		
	127			ification =		$X_{BS} = \mathbb{Z}$	$\mathbf{SI} = \mathbf{z}$	$z_{4m,0}^+, z_{4m,0}^-, z_{4m,\pi}^+$	
$\mathbb{Z}_{4,4,4}$	weak	$4^{001}$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$	$Cm_{(4)}^{001}$	
000	(0012)	0	0	0	0	0	0	$4, \overline{16}, 0, \overline{12}$	
000	$(00\bar{4})$	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	0011	
002	(000)	0	0	0	0	0	0	$\frac{0011}{002\overline{2}}$	
003	(000)	0	1	1	1	1	0	$\frac{0022}{003\overline{3}}$	
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	$\frac{0110}{012\overline{1}}$	
013	$(00\overline{1})$	0	0	0	0	0	0	$\frac{012\overline{1}}{013\overline{2}}$	
$\frac{-010}{020}$	$(00\bar{2})$	0	0	0	0	0	0	0202	
$\frac{020}{021}$	$(002)$ $(00\bar{2})$	0	1	1	1	1	0	0211	
$\frac{021}{022}$	$(002)$ $(00\bar{2})$	0	0	0	0	0	0	0220	
$\frac{022}{023}$	$(002)$ $(00\bar{2})$	0	1	1	1	1	0	$\frac{0220}{023\overline{1}}$	
023	(002)	U	1	1	T	T	U	0201	

030	$(00\bar{3})$	0	1	1	1	1	0	0303	
$\frac{030}{031}$	$(00\overline{3})$	0	0	0	0	0	0	0312	
$\frac{031}{032}$	$(00\overline{3})$	0	1	1	1	1	0	0321	
$\frac{-032}{033}$	$(00\overline{3})$	0	0	0	0	0	0	0330	
100	(003)	0	0	0	0	0	0	$\frac{0300}{1\overline{4}0\overline{3}}$	
	/								
101	(003)	0	1	1	1	1	0	1 <u>4</u> 1 <u>4</u>	
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	$1\overline{3}3\overline{5}$	
120	(001)	0	0	0	0	0	0	$1\overline{2}0\overline{1}$	
121	(001)	0	1	1	1	1	0	$1\overline{2}1\overline{2}$	
122	(001)	0	0	0	0	0	0	$1\overline{2}2\overline{3}$	
123	(001)	0	1	1	1	1	0	$1\overline{2}3\overline{4}$	
130	(000)	0	1	1	1	1	0	$1\overline{1}00$	
131	(000)	0	0	0	0	0	0	$1\overline{1}1\overline{1}$	
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	$\frac{2817}{}$	
202	(006)	0	0	0	0	0	0	$2\overline{8}2\overline{8}$	
203	(006)	0	1	1	1	1	0	$\frac{2\overline{8}3\overline{9}}{2\overline{8}3\overline{9}}$	
$\frac{200}{210}$	(005)	0	1	1	1	1	0	$\frac{2\overline{505}}{2\overline{7}0\overline{5}}$	
$\frac{210}{211}$	(005)	0	0	0	0	0	0	$\frac{2705}{271\overline{6}}$	
$\frac{211}{212}$	(005)	0	1	1	1	1	0	$\frac{2710}{2727}$	
$\frac{212}{213}$	(005)	0	0	0	0	0	0	$\frac{2727}{2738}$	
$\frac{213}{220}$	/	0						$\frac{2738}{2\overline{6}0\overline{4}}$	
	(004)		0	0	0	0	0	$\frac{2604}{2\overline{6}1\overline{5}}$	
221	(004)	0	1	1	1	1	0		
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	$\frac{3,\overline{10},2,\overline{9}}{3,\overline{10},3,\overline{10}}$	
$\frac{320}{330}$	(006)	0	1	1	1	1	0	$\frac{3\overline{9}0\overline{6}}{3\overline{9}0\overline{6}}$	
331	(006)	0	0	0	0	0	0	$\frac{3900}{3\overline{9}1\overline{7}}$	
$\frac{331}{332}$	(006)	0	1	1	1	1	0	$\frac{3917}{3\overline{9}2\overline{8}}$	
333	(006)	0	0	0	0	0	0	$\frac{3928}{3\overline{9}3\overline{9}}$	
	(000)								
					assification =		$_{\mathrm{BS}}=\mathbb{Z}_{2}$ SI =	$=z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$4^{001}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$\bar{4}^{001}$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$		
0	(000)	0	0	0	0	0	0		
	( /	-	-	-	-	-			

1	(000)	1	1	0	0	1	0			
		127.3	$P_c4/m$	bm Clas	ssification =	$\mathbb{Z}_M^2$ X <sub>B</sub>	$S = \mathbb{Z}_4$ $SI =$	$z_{4m,0}^{+}$		
$\mathbb{Z}_4$	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$\bar{4}^{001}$	$Cm_{(2)}^{110}$	$Cm_{(4)}^{001}$	
0	$(00\bar{4})$	1	0	0	0	0	0	$4\overline{4}$	$4\overline{400}$	
0	(000)	0	0	0	0	0	0	$2\overline{2}$	0000	
0	(002)	0	0	0	0	0	0	$\overline{2}2$	0000	
1	$(00\bar{1})$	1	0	0	1	0	1	$1\overline{1}$	$1\overline{1}00$	
2	$(00\bar{2})$	1	0	0	0	0	0	$2\overline{2}$	$2\overline{2}00$	
3	$(00\bar{3})$	1	0	0	1	0	1	$3\overline{3}$	$3\overline{3}00$	
		127.397	$P_C4/mbm$	Classifie	cation = $\mathbb{Z}_M^3$	$X_{BS} =$	$\mathbb{Z}_{4,4}$ SI = $z_4^-$	$z_{4m,0}^+, z_{4m,\pi}^+$		
$\mathbb{Z}_{4,4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	i	$2^{010}*$	$\frac{1,1}{4^{001}}$ *	$m_{100}*$	$Cm_{(2)}^{110}$	$Cm_{(4)}^{001}$
00	$(\bar{4}\bar{4}0)$	1	0	0	0	0	0	0	$4\overline{4}$	$4\overline{4}00$
00	(440)	0	0	0	0	0	0	0	$\overline{4}4$	$004\overline{4}$
00	(000)	0	0	0	0	0	0	0	$2\overline{2}$	0000
00	$(\bar{2}\bar{2}0)$	1	0	0	0	0	0	0	$2\overline{2}$	$00\overline{4}4$
01	(110)	0	1	0	1	1	0	0	<u>1</u> 1	0011
02	(220)	0	0	0	0	0	0	0	<u>2</u> 2	$002\overline{2}$
03	(330)	0	1	0	1	1	0	0	33	0033
10	$(\bar{1}\bar{1}0)$	1	1	0	1	1	0	0	11	$1\overline{1}00$
11 12	(000)	0	0	0	0	0	0	0	$\frac{00}{\overline{1}1}$	$\frac{1\overline{1}1\overline{1}}{1\overline{1}2\overline{2}}$
$\frac{12}{13}$	(220)	0	0	0	0	0	0	0	$\frac{11}{\overline{2}2}$	$\frac{1122}{1\overline{1}3\overline{3}}$
$\frac{13}{20}$	$(\bar{2}\bar{2}0)$	1	0	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	$\frac{1133}{2\overline{2}00}$
$\frac{20}{21}$	$(\bar{1}\bar{1}0)$	1	1	0	1	1	0	0	$\frac{22}{11}$	$\frac{2\overline{2}0\overline{0}}{2\overline{2}1\overline{1}}$
22	(000)	0	0	0	0	0	0	0	00	$\frac{2\overline{2}\overline{1}}{2\overline{2}}$
23	(110)	0	1	0	1	1	0	0	11	$2\overline{2}3\overline{3}$
30	$(\bar{3}\bar{3}0)$	1	1	0	1	1	0	0	33	3300
31	$(\overline{2}\overline{2}0)$	1	0	0	0	0	0	0	$2\overline{2}$	$3\overline{3}1\overline{1}$
32	$(\overline{1}\overline{1}0)$	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	$P_I = \frac{1}{2} P_I = \frac{1}{2} P_I$	bm Clas	ssification =	$\mathbb{Z}_M^2$ $X_B$	$S = \mathbb{Z}_4$ $SI =$	$z_{4m,0}^{+}$		
$\mathbb{Z}_4$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}$	$2^{100}_{00\frac{1}{2}}*$	i	$2^{110}_{00\frac{1}{2}}*$	$\bar{4}^{001}$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{110}$	
0	$(\overline{4}\overline{4}\overline{4})$	1	0	0	0	0	0	$4\overline{400}$	$4\overline{4}$	
0	(222)	0	0	0	0	0	0	0000	$\overline{2}2$	
0	(000)	0	0	0	0	0	0	0000	$2\overline{2}$	
1	$(\bar{1}\bar{1}\bar{1})$	1	0	1	1	1	1	$1\overline{1}00$	$1\overline{1}$	
2	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}$	
3	$(\bar{3}\bar{3}\bar{3})$	1	0	1	1	1	1	$3\overline{3}00$	$3\overline{3}$	
			399 P4/m	nc Clas	sification = 2	$\mathbb{Z}_M$ X <sub>BS</sub>	$S = \mathbb{Z}_4$ $SI = S$	$z_{4m,0}^{+}$		
$\mathbb{Z}_4$	weak	$4^{001}$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	i	$2^{110}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$\bar{4}^{001}$	$g^{1\overline{1}0}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$Cm_{(4)}^{001}$		
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		
			$\frac{402 P4'/n}{2100}$		assification =	$= \mathbb{Z}_M  X_{\mathrm{I}}$	$_{\mathrm{BS}} = \mathbb{Z}_4  \mathrm{SI} =$	$= z'_{4P}$		
$\mathbb{Z}_4$	weak	4 <sup>001</sup> *	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	i	$2^{110}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$\bar{4}^{001}*$	$g^{110}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$Cm_{(2)}^{001}$		
0	(000)	0	0	0	0	0	0	$4\overline{4}00$		
0	(000)	0	0	0	0	0	0	0000		
3	(000)	1	$\frac{1}{2}$	1	0	0	1	$\frac{1\overline{1}00}{2\overline{2}00}$		
2	(000)	0	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$		
1	(000)	1	1	1	0	0	1	$3\overline{3}00$		

		128.	403 P4'	$\frac{1}{mnc'}$ Clas	sification :	$= \mathbb{Z}_M \times X_{\mathbf{P}}$	$_{ m S}=\mathbb{Z}_4$ SI =	= z' <sub>4 P</sub>		
$\overline{\mathbb{Z}_4}$	weak	4001*	$\frac{2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	$\frac{i}{i}$	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\frac{Z_{M}}{4^{001}*}$	$\frac{g_{111}^{110}*}{g_{111}^{110}}$	$Cm_{(2)}^{001}$		
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	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0}$	$\frac{4400}{400}$		
0	(000)	0	0	0	0	0	0	0000		
3	(000)	1	0	1	1	0	0	$\frac{1100}{1}$		
2	(000)	0	0	0	0	0	0	$2\overline{200}$		
1	(000)	1	0	1	1	0	0	3300		
	/ /	128.4	404 P4'/	m'n'c Clas	sification	$= \mathbb{Z}_2$ $X_{DC}$	$S = \mathbb{Z}_2$ $SI =$	. 70 G		
$\overline{\mathbb{Z}_2}$	weak	4001*	$\frac{2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	<i>i</i> *	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{\frac{1}{2}\frac{1}{2}}}*$	$\frac{-2}{4^{001}}$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}$	~2,54		
$\frac{-2}{0}$	(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	0	0	1	1	1			
	(000)	_					$=\mathbb{Z}_{4,4}$ SI $=$	.+ .+		
	**** o 1*	$\frac{128.403}{4^{001}}$	$\frac{4/mn\ c}{2100}$		$\frac{\sin = \mathbb{Z}_M}{2000}$	$\frac{\times \mathbb{Z}  \mathbf{A}_{BS}}{4^{001}}$	$= \mathbb{Z}_{4,4}$ $\mathfrak{S}_{1} = \mathbb{Z}_{4,4}$	$z_{4m,0}, z_{4m,\pi}$		
$\mathbb{Z}_{4,4}$	weak		$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$		$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$	$Cm_{(4)}^{001}$		
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		
01 02	(002)	0	0	1	0	1	$\frac{1}{2}$	0211 0422		
$\frac{02}{03}$	(004)	0	0	0	0	0	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		
13	(006)	0	1	0	1	0	3	1533		
20	(000)	0	0	0	0	0	0	$2\overline{2}00$		
21	(002)	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		
		128.4		m'nc' Clas			$\mathbb{S} = \mathbb{Z}_2  \mathrm{SI} =$	$z_{2,S_4}$		
$\mathbb{Z}_2$	weak	4 <sup>001</sup> *	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}$	$g^{110}_{rac{1}{2}rac{1}{2}rac{1}{2}}*$			
0	(000)	0	0	0	0	0	0			
1	(000)	1	1	0	0	1	0			
		128.4	$\frac{108 P_c 4}{}$	mnc Classi	ification =	$\mathbb{Z}_M$ $X_{\mathrm{BS}}$	$=\mathbb{Z}_4$ 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	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}$	$g_{\frac{1}{2}\frac{1}{2}0}^{1\overline{1}0}*$	$Cm_{(4)}^{001}$	
0	(004)	1	0	$\frac{\frac{5}{2}\frac{5}{2}0}{0}$	0	$\frac{\frac{\bar{2}}{2}\bar{2}^0}{0}$	0	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$4\overline{400}$	
0	$(00\bar{2})$	0	0	0	0	0	0	0	0000	
1	(001)	1	0	1	1	1	1	0	$1\overline{1}00$	
2	(002)	1	0	0	0	0	0	0	$2\overline{2}00$	
3	(003)	1	0	1	1	1	1	0	$3\overline{3}00$	
		128.4	$109 P_C 4$	mnc Class	ification =	$\mathbb{Z}_M$ $X_{\mathrm{BS}}$	$=\mathbb{Z}_4$ SI $=$	$z_{4m,0}^{+}$		_
$\overline{\mathbb{Z}_4}$	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	$\frac{2^{010}_{00\frac{1}{2}}*}{2^{00\frac{1}{2}}}$	$\overline{4^{001}_{\frac{1}{2}\frac{1}{2}0}}*$	$g_{00\frac{1}{2}}^{100}*$	$Cm_{(4)}^{001}$	
0	$(\bar{4}\bar{4}0)$	1	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	0	00 2	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	0	$\frac{4400}{4400}$	—
0	(220)	0	0	0	0	0	0	0	0000	—
1	$(\bar{1}\bar{1}0)$	1	1	0	1	1	0	0	$1\overline{1}00$	
2	$(\overline{2}\overline{2}0)$	1	0	0	0	0	0	0	$2\overline{2}00$	
3	$(\overline{330})$	1	1	0	1	1	0	0	$3\overline{3}00$	
	· · · · · · · · · · · · · · · · · · ·	128.4	$110 P_{I}4/$	mnc Classi	ification =	$\mathbb{Z}_M$ $X_{\mathrm{BS}}$	$=\mathbb{Z}_4$ SI $=$	$z_{4m}^{+}$ 0		
$\overline{\mathbb{Z}_4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	4001	2100*	i	2 <sup>110</sup> *	$\frac{4}{4}$ 001	$m_{1\bar{1}0}*$	$Cm_{(4)}^{001}$	
0	$(\overline{444})$	1	0	0	0	0	0	0	$\frac{4}{400}$	

	(222)	0	0	0	0	0	0	0	0000	
1	$(\overline{1}\overline{1}\overline{1})$	1	0	1	1	1	1	0	$\frac{1\overline{1}00}{1}$	
2	$(\overline{2}\overline{2}\overline{2})$	1	0	0	0	0	0	0	$\frac{2\overline{2}00}{2}$	
3	$(\overline{3}\overline{3}\overline{3})$	1	0	1	1	1	1	0	$3\overline{3}00$	
	/	129	411 P4/r	mm Clas	sification =	$=\mathbb{Z}_{2}^{2}$ , $X_{\mathbb{Z}}$	$_{\mathrm{SS}}=\mathbb{Z}_{2}$ $\mathrm{SI}=$	z'_		
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}00}$	$\frac{2^{100}_{\frac{1}{2}00}}{2^{100}_{\frac{1}{2}00}}$	$\frac{i}{i}$	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}}{2^{110}}$	$\frac{2M}{4001}$	$\frac{Cm_{(2)}^{100}}{Cm_{(2)}^{100}}$	$Cm_{(2)}^{1\bar{1}0}$		
0	(000)	$\frac{1}{2}00$	$\frac{\frac{1}{2}00}{0}$	0	$\frac{\frac{2}{2}}{0}$	$\frac{1}{2}$ 00	$\frac{2\overline{200}}{200}$	$\frac{2\overline{2}}{2\overline{2}}$		
0	(000)	0	0	0	0	0	$\frac{2200}{200}$	00		
0	(000)	0	0	0	0	0	0000	$2\overline{2}$		
1	(000)	0	0	1	0	1	$1\overline{1}00$	11		
	,	129.4	$\frac{1}{414} P4'/r$	m'm Cla	ssification :	$=\mathbb{Z}_{M}$ X:	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ SI =	$= z'_{0D}$		
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{\frac{1}{2}00}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$\bar{4}^{001}_{\frac{1}{2}00}*$	$Cm_{(2)}^{1\bar{1}0}$	2P		
0	(000)	$\frac{1}{2}00$	$\frac{\frac{1}{2}00}{0}$	0	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{\frac{1}{2}00}{0}$	$\frac{2\overline{2}}{2\overline{2}}$			
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$			
1	(000)	1	1	1	0	0	$\frac{22}{1\overline{1}}$			
	(000)	129.4			ssification :		$_{\mathrm{BS}}=\mathbb{Z}_{2}$ SI =			
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}00}*$	2100	$\frac{imm}{i}$	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}*}{2^{110}_{\frac{1}{2}\frac{1}{2}0}}$	$\frac{-2M}{4^{001}_{\frac{1}{2}00}*}$	$\frac{8S - 22}{m_{1\bar{1}0}*}$	$\frac{-z_{2P}}{Cm_{(2)}^{100}}$		
		$\frac{1}{2}00$	$\frac{\frac{2}{2}00}{0}$	0	$\frac{\frac{2\frac{1}{2}\frac{1}{2}0}{0}}{0}$	$\frac{\frac{1}{2}00}{0}$		$\frac{2\overline{200}}{2\overline{200}}$		
$\frac{0}{0}$	(000)	0	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$		
1	(000)	1	0	1	1	0	0	$\frac{2200}{1\overline{1}00}$		
	(000)	_								
	1		$\frac{10 P4'/n'}{2100}$			$= \angle M = \Lambda_{\rm I}$	$S_{\rm SS} = \mathbb{Z}_2$ $SI = \mathbb{Z}_2$	$= z_{2,S_4}$		
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{\frac{1}{2}00}$	<i>i</i> *	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}_{\frac{1}{2}00}$	$Cm_{(0)}^{110}$			
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)	1	0	0	1	1	$1\overline{1}$			
							_ ~-			
			P4/nm'm'		$ation = \mathbb{Z} >$	$\langle \mathbb{Z}_2 X_{\mathrm{BS}} \rangle$	$=\mathbb{Z}_{2,4}$ SI =	$=z_{2,S_4},z_{4C}$		
$\mathbb{Z}_{2,4}$	weak	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{\frac{1}{2}00}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}_{rac{1}{2}00}$	$m_{1\bar{1}0}*$	$=z_{2,S_4},z_{4C}$		
00	(000)	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \end{array}$	$2^{100}_{\frac{1}{2}00}*$	$i \\ 0$	$\begin{array}{c} 2^{110}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \end{array}$	$\frac{\bar{4}_{\frac{1}{2}00}^{001}}{0}$	$m_{1\bar{1}0}*$ 0	$= z_{2,S_4}, z_{4C}$		
00	$(000)$ $(00\bar{4})$	$ \begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 2_{\frac{1}{2}00}^{100} * \\ 0 \\ 0 \\ \end{array}$	<i>i</i> 0 0	$\begin{array}{c} 2^{110}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} \bar{4}_{\frac{1}{2}00}^{001} \\ 0 \\ 0 \end{array} $	$m_{1\bar{1}0}*$ 0 0	$=z_{2,S_4},z_{4C}$		
	$ \begin{array}{c} (000) \\ (00\overline{4}) \\ (00\overline{1}) \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c}     2_{\frac{1}{2}00}^{100} * \\     0 \\     0 \end{array} $	<i>i</i> 0 0 0 0	$ \begin{array}{c} 2^{110}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} \bar{4}_{\frac{1}{2}00}^{001} \\ 0 \\ 0 \\ 0 \end{array} $	$m_{1\bar{1}0}*$ 0 0 0	$=z_{2,S_4},z_{4C}$		
00 00 03 02	$ \begin{array}{c} (000) \\ (00\overline{4}) \\ \hline (00\overline{1}) \\ (00\overline{2}) \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} 2_{\frac{1}{2}00}^{100} * \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	i 0 0 0 0	$ \begin{array}{c} 2^{110}_{\frac{1}{2}\frac{1}{2}0} * \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} \bar{4}_{\frac{1}{2}00}^{001} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$m_{1\bar{1}0}*$ 0 0 0 0	$= z_{2,S_4}, z_{4C}$		
00 00 03 02 01	$ \begin{array}{c} (000) \\ (00\overline{4}) \\ (00\overline{1}) \\ (00\overline{2}) \\ (00\overline{3}) \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$\begin{array}{c} 2^{100} * \\ 2^{\frac{1}{2}00} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	i 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 2^{110}_{\frac{1}{2}\frac{1}{2}0}*\\ 0\\ 0\\ 0\\ 0\\ 0\\ \end{array}$	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$m_{1\bar{1}0}*$ 0 0 0 0 0 0	$= z_{2,S_4}, z_{4C}$		
00 00 03 02 01 10	$ \begin{array}{c} (000) \\ (004) \\ (001) \\ (002) \\ (003) \\ (000) \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} 2^{100}_{\frac{1}{2}00}*\\ 0\\ 0\\ 0\\ 0\\ 0\\ 1 \end{array} $	i 0 0 0 0 0 0 0 1	$ \begin{array}{c} 2\frac{110}{\frac{1}{2}\frac{1}{2}0}*\\ 0\\ 0\\ 0\\ 0\\ 1\\ \end{array} $	$ \begin{array}{c} 4_{\frac{1}{2}00}^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	$m_{1\bar{1}0}*$ 0 0 0 0 0 0 0 0	$= z_{2,S_4}, z_{4C}$		
00 00 03 02 01 10	$ \begin{array}{c} (000) \\ (00\overline{4}) \\ (00\overline{1}) \\ (00\overline{2}) \\ (00\overline{3}) \\ (000) \\ (00\overline{1}) \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} 2^{100}_{\frac{1}{2}00}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $	i 0 0 0 0 0 0 1	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array}$	$m_{1\bar{1}0}*$ 0 0 0 0 0 0 0 0 0 0 0	$=z_{2,S_4},z_{4C}$		
00 00 03 02 01 10 13	$ \begin{array}{c} (000) \\ (00\overline{4}) \\ (00\overline{1}) \\ (00\overline{2}) \\ (00\overline{3}) \\ (000) \\ (00\overline{1}) \\ (00\overline{2}) \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c} 2^{100}_{\frac{1}{2}00}*\\ 0\\ 0\\ 0\\ 0\\ 0\\ 1 \end{array} $	i 0 0 0 0 0 0 0 1	$ \begin{array}{c} 2\frac{110}{\frac{1}{2}\frac{1}{2}0}*\\ 0\\ 0\\ 0\\ 0\\ 1\\ \end{array} $	$ \begin{array}{c} 4_{\frac{1}{2}00}^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	$m_{1\bar{1}0}*$ 0 0 0 0 0 0 0 0	$= z_{2,S_4}, z_{4C}$		
00 00 03 02 01 10	$ \begin{array}{c} (000) \\ (00\overline{4}) \\ (00\overline{1}) \\ (00\overline{2}) \\ (00\overline{3}) \\ (000) \\ (00\overline{1}) \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c} 2^{100}_{\frac{1}{2}00}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{array} $	i 0 0 0 0 0 0 1 1 1 1 1 1	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{array} $	$ \begin{array}{c} 4_{\frac{1}{2}00}^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{array} $	$m_{1\bar{1}0}*$ 0  0  0  0  0  0  0  0  0  0  0  0  0			
00 00 03 02 01 10 13 12 11	$ \begin{array}{c} (000) \\ (00\overline{4}) \\ (00\overline{1}) \\ (000\overline{2}) \\ (000\overline{3}) \\ (000) \\ (00\overline{1}) \\ (000\overline{2}) \\ (000\overline{3}) \\ \end{array} $	$\begin{array}{c c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c} 2^{100} * \\ 2^{\frac{1}{2}00} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 18  P4'/n' $	i 0 0 0 0 1 1 1 1 mm' Clas	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ ssification =  \end{array} $	$ \begin{array}{c} 4_{\frac{1}{2}00}^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ = \mathbb{Z}_{M}  X_{\mathbf{I}} $		= Z <sub>2.S<sub>4</sub></sub>		
$egin{array}{c} 00 \\ 00 \\ 03 \\ 02 \\ 01 \\ 10 \\ 13 \\ 12 \\ 11 \\ \hline \mathbb{Z}_2 \\ \end{array}$	(000) (004) (001) (002) (003) (000) (001) (002) (003) weak	$\begin{array}{c c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c} 2_{\frac{1}{2}00}^{100} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 2_{\frac{1}{2}00}^{100} * \end{array} $	i 0 0 0 0 1 1 1 1 mm' Class	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 2_{\frac{1}{2}\frac{1}{2}0}^{110} = 2_{\frac{1}{2}\frac{1}{2}0}^{110} \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c} m_{1\bar{1}0}*\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 3S = \mathbb{Z}_2  SI = \\ m_{1\bar{1}0}* $	$= z_{2,S_4} $ $Cm_{(0)}^{100}$		
$ \begin{array}{c c} 00 \\ 00 \\ 03 \\ 02 \\ 01 \\ 10 \\ 13 \\ 12 \\ 11 \end{array} $	(000) (004) (001) (002) (003) (000) (001) (002) (003) weak (000)	$\begin{array}{c c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c} 2_{\frac{1}{2}00}^{100} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 2_{\frac{1}{2}00}^{100} * \\ 0 \end{array} $	i 0 0 0 0 1 1 1 1 1 i* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 2^{110}_{\frac{1}{2}\frac{1}{2}0}*\\ 0\\ 0\\ 0\\ 0\\ 0\\ 1\\ 1\\ 1\\ 1\\ 2^{110}_{\frac{1}{2}\frac{1}{2}0}\\ 0\\ \end{array}$	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$   \begin{array}{c}     m_{1\bar{1}0} * \\     0 \\    0 \\    0 \\    0 \\    0$	$= z_{2,S_4} $ $\frac{Cm_{(0)}^{100}}{2\overline{2}00}$		
$ \begin{array}{c c} 00 \\ 00 \\ 03 \\ 02 \\ 01 \\ 10 \\ 13 \\ 12 \\ 11 \\ \hline \mathbb{Z}_2 \\ 0 \\ 0 \end{array} $	(000) (004) (001) (002) (003) (000) (001) (002) (003) weak (000) (000)	$\begin{array}{c c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} 2^{100}_{\frac{1}{2}00}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	i 0 0 0 0 1 1 1 1 1 i* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 2^{110}_{\frac{1}{2}\frac{1}{2}0}*\\ 0\\ 0\\ 0\\ 0\\ 0\\ 1\\ 1\\ 1\\ 1\\ 2^{\frac{1}{2}\frac{1}{2}0}\\ 0\\ 0\\ 0\\ 0\\ \end{array}$	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$		$ = z_{2,S_4} $ $ Cm_{(0)}^{100} $ $ 2\overline{2}00 $ $ 2\overline{2}00 $		
$ \begin{array}{c c} 00 \\ 00 \\ 03 \\ 02 \\ 01 \\ 10 \\ 13 \\ 12 \\ 11 \end{array} $	(000) (004) (001) (002) (003) (000) (001) (002) (003) weak (000)	$\begin{array}{c c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} 2^{100}_{\frac{1}{2}00}* \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$	i 0 0 0 0 1 1 1 1 1 mm' Class 0 0 0	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$   \begin{array}{c}     m_{1\bar{1}0} * \\     0 \\    0 \\    0 \\    0 \\    0 \\    0 $			
$ \begin{array}{c} 00 \\ 00 \\ 03 \\ 02 \\ 01 \\ 10 \\ 13 \\ 12 \\ 11 \end{array} $ $ \begin{array}{c} \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \end{array} $	(000) (004) (001) (002) (003) (000) (001) (002) (003) weak (000) (000) (000)	$\begin{array}{c c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c} 2^{100} * \\ 2^{100} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 2^{100} * \\ 0 \\ 0 \\ 0 \\ 1 \\ 420  P_c 4/\eta \end{array} $	i 0 0 0 0 0 1 1 1 1 1 mm' Class i* 0 0 0 mm Class	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ ssification = \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c} m_{1\bar{1}0}*\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 3S = \mathbb{Z}_2  SI = \\ m_{1\bar{1}0}*\\ 0\\ 0\\ 0\\ 0\\ SI = \mathbb{Z}_2  SI = \\ SI = \\ m_{1\bar{1}0}*\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$		$Cm^{110}$	
$ \begin{array}{c} 00 \\ 00 \\ 03 \\ 02 \\ 01 \\ 10 \\ 13 \\ 12 \\ 11 \\ \hline \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \end{array} $	(000) (004) (001) (002) (003) (000) (001) (002) (003) weak (000) (000) (000)	$\begin{array}{c c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c} 2^{100}_{\frac{1}{2}00}*\\ 0\\ 0\\ 0\\ 0\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 4^{100}_{\frac{1}{2}00}*\\ 0\\ 0\\ 1\\ 4^{20}_{\frac{1}{2}00}\\ 4^{001}_{\frac{1}{2}00} \end{array} $	$\begin{array}{c} i \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ ssification = i \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c}     m_{1\bar{1}0} * \\     0 \\     3S = \mathbb{Z}_2  SI = 0 \\    0 \\    0 \\    0 \\    $		$Cm_{(2)}^{1\bar{1}0}$	
$ \begin{array}{c} 00 \\ 00 \\ 03 \\ 02 \\ 01 \\ 10 \\ 13 \\ 12 \\ 11 \end{array} $ $ \begin{array}{c} \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \end{array} $	$\begin{array}{c} (000) \\ (00\overline{4}) \\ (00\overline{1}) \\ (000\overline{1}) \\ (000\overline{2}) \\ (000\overline{3}) \\ (000) \\ (000\overline{1}) \\ (000\overline{3}) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	$\begin{array}{c c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} 2^{100}_{\frac{1}{2}00}*\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 2^{100}_{\frac{1}{2}00}*\\ \hline 0\\ 0\\ 1\\ 420 \begin{array}{c} P_c4/r\\ 4^{001}_{\frac{1}{2}00}\\ 0\\ 0\\ \end{array}$	$\begin{array}{c} i \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ 0 \\ ssification = i \\ 0 $	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c}     m_{1\bar{1}0} * \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     3S = \mathbb{Z}_2  SI = \\     m_{1\bar{1}0} * \\     0 \\$		$2\overline{2}$	
$ \begin{array}{c} 00 \\ 00 \\ 03 \\ 02 \\ 01 \\ 10 \\ 13 \\ 12 \\ 11 \end{array} $ $ \begin{array}{c} \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \end{array} $	(000) (004) (001) (002) (003) (000) (001) (002) (003) weak (000) (000) (000) (000) (002) (002) (002) (002)	$\begin{array}{c c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} 2^{100}_{\frac{1}{2}00}*\\ 0\\ 0\\ 0\\ 0\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 2^{100}_{\frac{1}{2}00}*\\ 0\\ 0\\ 1\\ \hline 4^{20}_{\frac{1}{2}00}P_c4/r\\ 4^{001}_{\frac{1}{2}00}\\ 0\\ 0\\ 0\\ \end{array}$	$\begin{array}{c} i \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ 0 \\ ssification = i \\ 0 \\ 0 \\ 0 $	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c}     m_{1\bar{1}0} * \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     3S = \mathbb{Z}_2  SI = \\     m_{1\bar{1}0} * \\     0 \\     0 \\     0 \\     3S = \mathbb{Z}_2  SI = \\     \hline     4_{\frac{1}{2}00} \\     0 \\    0 \\    0 \\    0 \\    0 \\    0 \\    0 \\    0 \\    0 \\    0 \\    0 \\    0 \\$		$\frac{2\overline{2}}{00}$	
$ \begin{array}{c c} 00 \\ 00 \\ 03 \\ 02 \\ 01 \\ 10 \\ 13 \\ 12 \\ 11 \\ \hline \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \end{array} $	(000) (004) (001) (002) (003) (000) (001) (002) (003) weak (000) (000) (000) (000) (000) (000) (000)	$\begin{array}{c c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} 2^{100}_{\frac{1}{2}00}*\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	$\begin{array}{c} i \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $ ssification = $ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c}     m_{1\bar{1}0} * \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     3S = \mathbb{Z}_2  SI = \\     m_{1\bar{1}0} * \\     0 \\$	$= z_{2,S_4} $ $Cm_{(0)}^{100}$ $= 2\overline{2}00$ $1\overline{1}00$ $= z'_{2P}$ $Cm_{(2)}^{100}$ $= 2\overline{2}00$ $= 2\overline{2}00$ $= 2\overline{2}00$ $= 2\overline{2}00$ $= 2\overline{2}00$ $= 2\overline{2}00$	$ \begin{array}{r} 2\overline{2} \\ 00 \\ 2\overline{2} \end{array} $	
$ \begin{array}{c} 00 \\ 00 \\ 03 \\ 02 \\ 01 \\ 10 \\ 13 \\ 12 \\ 11 \end{array} $ $ \begin{array}{c} \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \end{array} $	(000) (004) (001) (002) (003) (000) (001) (002) (003) weak (000) (000) (000) (000) (002) (002) (002) (002)	$\begin{array}{c c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} 2^{100}_{\frac{1}{2}00}*\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 1\\ \hline 1\\ 1\\ 1\\ \hline 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ $	$\begin{array}{c} i \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 2_{\frac{1}{2}\frac{1}{2}0}^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $ ssification = $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c}     m_{1\bar{1}0} * \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     0 \\     3S = \mathbb{Z}_2  SI = \\     m_{1\bar{1}0} * \\     0 \\     1 \\     0 \\     0 \\     0 \\     0 \\     1 \\     0 \\     0 \\     0 \\     1 \\     0 \\     0 \\     0 \\     1 \\     0 \\     0 \\     0 \\     1 \\     0 \\     0 \\     0 \\     1 \\     0 \\     0 \\     0 \\     0 \\     1 \\     0 \\$	$= z_{2,S_{4}}$ $\frac{Cm_{100}^{100}}{2\overline{2}00}$ $= z'_{2P}$ $\frac{Cm_{100}^{100}}{Cm_{(2)}^{100}}$ $= 2\overline{2}00$ $= 2\overline{2}00$ $= 0000$ $= 1\overline{1}00$	$\frac{2\overline{2}}{00}$	
$ \begin{array}{c} 00 \\ 00 \\ 03 \\ 02 \\ 01 \\ 10 \\ 13 \\ 12 \\ 11 \end{array} $ $ \begin{array}{c} \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \\ \end{array} $	(000) (004) (001) (002) (003) (000) (001) (002) (003) weak (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{array}{c c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c} 2_{\frac{1}{2}00}^{100} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$\begin{array}{c c} i \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ sification = \frac{2_{\frac{1}{2}\frac{1}{2}0}^{110}}{0} \\ 0 \\ 0 \\ 0 \\ sification = i \\ 0 \\ 0 \\ 0 \\ sification = \frac{i}{2} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c} 4_{\frac{1}{2}00}^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 2 \\ 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c} m_{1\bar{1}0}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3S = \mathbb{Z}_2  SI = \\ m_{1\bar{1}0}* \\ 0 \\ 0 \\ 0 \\ 3S = \mathbb{Z}_2  SI = \\ \hline 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$		$ \begin{array}{r} 2\overline{2} \\ 00 \\ 2\overline{2} \\ 1\overline{1} \end{array} $	
$ \begin{array}{c c} 00 \\ 00 \\ 03 \\ 02 \\ 01 \\ 10 \\ 13 \\ 12 \\ 11 \\ \hline \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \\ \hline \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \\ \hline \mathbb{Z}_2 $	(000) (004) (001) (002) (003) (000) (001) (002) (003) weak (000) (000) (000) (000) (000) (000) (000) (000) (001)	$\begin{array}{c c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} 2^{100}_{\frac{1}{2}00}*\\ \hline 0\\ 0\\ 0\\ 0\\ 0\\ 1\\ \hline 1\\ 1\\ \hline 1\\ \hline 1\\ $	$\begin{array}{c} i \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$2\frac{110}{\frac{1}{2}\frac{1}{2}0}*$ $0$ $0$ $0$ $0$ $0$ $1$ $1$ $1$ $1$ $2\frac{110}{\frac{1}{2}\frac{1}{2}0}$ $0$ $0$ ssification = $i$ $0$ $0$ $1$ ssification = $i$ $i$ $0$ $0$ $1$ ssification = $i$	$\begin{array}{c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c} m_{1\bar{1}0}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3S = \mathbb{Z}_2  SI = \\ m_{1\bar{1}0}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$= z_{2,S_{4}} \\ Cm_{(0)}^{100} \\ 2\overline{2}00 \\ 2\overline{2}00 \\ 1\overline{1}00 \\ = z'_{2P} \\ Cm_{(2)}^{100} \\ 2\overline{2}00 \\ 0000 \\ 1\overline{1}00 \\ = z'_{2P} \\ Cm_{(2)}^{110} \\ = z'_{2P} \\ Cm_{(2)}^{110}$	$ \begin{array}{c c} \hline 2\overline{2} \\ \hline 00 \\ \hline 2\overline{2} \\ \hline 1\overline{1} \end{array} $ $ Cm_{(2)}^{100} $	
$ \begin{array}{c} 00 \\ 00 \\ 03 \\ 02 \\ 01 \\ 10 \\ 13 \\ 12 \\ 11 \end{array} $ $ \begin{array}{c} \mathbb{Z}_2 \\ 0 \\ 0 \\ 1 \\ \end{array} $	(000) (004) (001) (002) (003) (000) (001) (002) (003) weak (000) (000) (000) (000) (000) (000) (000) (000)	$\begin{array}{c c} 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c} 2_{\frac{1}{2}00}^{100} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$\begin{array}{c c} i \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}0}^{110}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ sification = \frac{2_{\frac{1}{2}\frac{1}{2}0}^{110}}{0} \\ 0 \\ 0 \\ 0 \\ sification = i \\ 0 \\ 0 \\ 0 \\ sification = \frac{i}{2} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c} 4_{\frac{1}{2}00}^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 2 \\ 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c} m_{1\bar{1}0}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 3S = \mathbb{Z}_2  SI = \\ m_{1\bar{1}0}* \\ 0 \\ 0 \\ 0 \\ 3S = \mathbb{Z}_2  SI = \\ \hline 4^{001}_{\frac{1}{2}00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$		$ \begin{array}{r} 2\overline{2} \\ 00 \\ 2\overline{2} \\ 1\overline{1} \end{array} $	

0	(000)	0	0	0	0	0	0	00	$\overline{2\overline{2}00}$
1	$(\bar{1}\bar{1}0)$	1	0	1	0	1	0	11	$\overline{1100}$
	· · · · ·	129.4	$122 P_{I}4/r$	nmm Clas	ssification	$=\mathbb{Z}_{M}^{2}$ XR	$_{\mathrm{S}}=\mathbb{Z}_{2}$ $\mathrm{SI}=$	$=z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\frac{N}{2_{00\frac{1}{2}}^{110}}*$	$\frac{\bar{4}_{0\frac{1}{2}\frac{1}{2}}^{201}}{\bar{4}_{0\frac{1}{2}\frac{1}{2}}^{2}}$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{1\bar{1}0}$
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0	0	$\frac{2\overline{200}}{200}$	$\frac{\overline{22}}{2}$
0	(000)	0	0	0	0	0	0	$2\overline{2}00$	00
0	(000)	0	0	0	0	0	0	0000	$2\overline{2}$
1	$(\overline{1}\overline{1}\overline{1})$	1	0	1	0	1	0	$1\overline{1}00$	$1\overline{1}$
			).423 P4	/ncc Class		$=\mathbb{Z}_2$ $X_{\mathrm{BS}}$	$=\mathbb{Z}_2$ SI $=$	$z'_{2P}$	
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{rac{1}{2}00}$	$g_{00\frac{1}{2}}^{1\overline{1}0}$		
0	(000)	0	0	0	0	0	0		
1	(000)	0	0	1	0	1	1		
				/nc'c 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	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}00}*$	$g_{00\frac{1}{2}}^{110}$		
0	(000)	0	0	0	0	0	0		
1	(000)	1	1	1	0	0	1		
					sification =	$= \mathbb{Z}_2  X_{BS}$	$=\mathbb{Z}_2$ SI $=$	$z'_{2P}$	
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}_{rac{1}{2}00}*$	$g_{00\frac{1}{2}}^{110}*$		
0	(000)	0	0	0	0	0	0		
1	(000)	1	0	1	1	0	0		
			428 $P4'/$	n'c'c Clas	sification =	$= \mathbb{Z}_2  X_{BS}$	$= \mathbb{Z}_2  SI =$	$z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}_{\frac{1}{2}00}$	$g_{00\frac{1}{2}}^{110}$		
0	(000)	0	0	0	0	0	0		
1	(000)	1	0	0	1	1	1		
		130.429	P4/nc'c'	Classificat	tion = $\mathbb{Z} \times$	$\mathbb{Z}_2$ $X_{\mathrm{BS}}$ =	$=\mathbb{Z}_{2,4}$ $\mathrm{SI}=$	$z_{2,S_4}, z'_{4C}$	
$\mathbb{Z}_{2,4}$	weak	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}_{rac{1}{2}00}$	$g_{00\frac{1}{2}}^{110}*$		
00	(000)	0	0	0	0	0	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 10	(006)	0	1	0	1	0	3 0		
11	(000)	0	0	1 1	0	1	1		
$\frac{11}{12}$	(002) $(004)$	0	1	1	1	1	2		
13	(006)	0	0	1	0	1	3		
		130.4	430 P4'/	n'cc' Clas	sification =	$=\mathbb{Z}_2$ $X_{\mathbb{P}^{\mathbb{Q}}}$	$=\mathbb{Z}_2$ SI $=$	Z2 S4	
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}00}*$	$\frac{2^{100}_{\frac{1}{2}0^{\frac{1}{2}}}}{2^{100}_{\frac{1}{2}}}$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\frac{-2}{4^{001}_{\frac{1}{2}00}}$	$g_{00\frac{1}{2}}^{110}*$	<b>-</b> ,∼4	
0	(000)	0	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	0	$\frac{\bar{2}  \bar{2}  \bar{2}}{0}$	0	0		
1	(000)	1	1	0	0	1	0		
	· · · · ·	130	$0.432  P_c 4$	/ncc Clas	sification =	$=\mathbb{Z}_2$ $X_{BS}$	$=\mathbb{Z}_2$ SI $=$	$z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{\frac{1}{2}00}*$	i	$\frac{2^{110}}{2^{\frac{1}{2}\frac{1}{2}0}} *$	$\frac{2}{4^{001}_{\frac{1}{2}00}}$	$m_{1\bar{1}0}*$	
0	$(00\bar{2})$	1	0	0	0	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	0	0	
1	$(00\overline{1})$	1	0	1	1	1	1	0	
		130		l/ncc Clas	sification =		$=\mathbb{Z}_2$ SI $=$		
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{\frac{1}{2}00}$	$2^{110}_{00\frac{1}{2}}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{\frac{1}{2}0^{\frac{1}{2}}}*$	$\bar{4}^{001}_{0\frac{1}{2}0}*$	$g_{\frac{1}{2}0\frac{1}{2}}^{100}$	
0	(220)	1	0	0	0	$\frac{2^{2}}{0}$	0	0	
1	(110)	1	0	1	0	1	0	1	
		130		/ncc Clas	sification =		$= \mathbb{Z}_2  SI =$	$\overline{z_{2P}'}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}$	$2^{100}_{0\frac{1}{2}0}*$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{110}*$	$\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{1\bar{1}0}$	
0	$(\overline{2}\overline{2}\overline{2})$	1	0	0	0	0	0	0	

1	$(\overline{1}\overline{1}\overline{1})$	1	0	1	0	1	0	1		_
	,	131.435	$P4_2/mmc$	Class	sification = $\mathbb{Z}_M^3$	Хрс	$=\mathbb{Z}_{2,4}$ $\mathrm{SI}=2$	z'		=
$\overline{\mathbb{Z}_{2,4}}$	weak	$4_{00\frac{1}{2}}^{001}$	$\frac{1}{2^{100}}$	$\frac{i}{i}$	$\frac{2^{110}_{00\frac{1}{2}}}{2^{110}_{00\frac{1}{2}}}$	$\bar{4}^{001}_{00\frac{1}{2}}$	$\frac{g_{00\frac{1}{2}}^{110}}{g_{00\frac{1}{2}}^{110}}$	$\frac{C_{2P,1}, \sim_{4P}}{Cm_{(2)}^{100}}$	$Cm_{(4)}^{001}$	_
$\frac{22,4}{00}$	(000)	$00\frac{1}{2}$	0	0	$\frac{2_{00\frac{1}{2}}}{0}$	$\frac{100\frac{1}{2}}{0}$	$\frac{g_{00\frac{1}{2}}}{0}$	$\frac{2\overline{2}2\overline{2}}{2\overline{2}}$	$\frac{0000}{0000}$	—
00	(000)	0	0	0	0	0	0	$\frac{2222}{4\overline{4}00}$	$\frac{4\overline{4}00}{400}$	—
00	(000)	0	0	0	0	0	0	$\frac{4400}{00\overline{2}2}$	0000	—
00	(000)	0	0	0	0	0	0	$\frac{\overline{2}200}{2}$	0000	—
03	(000)	0	0	$\frac{0}{1}$	0	1	1	$\frac{1100}{1}$	$\frac{1100}{100}$	—
02	(000)	0	0	0	0	0	0	$\frac{2\overline{2}00}{200}$	$\frac{2\overline{2}00}{200}$	_
01	(000)	0	0	1	0	1	1	3300	$\frac{3300}{3}$	—
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	$\frac{1}{38} P4'_2/mr$	n'c (	Classification =	$\mathbb{Z}_M$ 2	$X_{BS} = \mathbb{Z}_2$ SI =	$=z'_{2P}$		=
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{00\frac{1}{2}}*$	$2^{100}*$	$\frac{i}{i}$	$2^{110}_{00\frac{1}{2}}$	$\bar{4}^{001}_{00\frac{1}{2}}*$	$\frac{g_{00\frac{1}{2}}^{110}}{g_{00\frac{1}{2}}^{110}}$	$Cm_{(2)}^{001}$		_
$\frac{-2}{0}$	(000)	$00\frac{1}{2}$	0	0	$\frac{-00\frac{1}{2}}{0}$	$\frac{-00\frac{1}{2}}{0}$	0	$\frac{2\overline{2}00}{2\overline{2}00}$		_
0	(000)	0	0	0	0	0	0	$\frac{2\overline{200}}{2\overline{200}}$		—
1	(000)	1	1	1	0	0	1	$\frac{2200}{1\overline{1}00}$		_
	(000)	131.439	$P4'_2/mmc'$		$\overline{\text{sification} = \mathbb{Z}_M^3}$		$=\mathbb{Z}_{2,4}$ SI $=$			=
77.	weak		$\frac{14_2/mmc}{2^{100}}$	$\frac{\text{Class}}{i}$	$\frac{\text{Sincation} - \mathbb{Z}_M}{2^{110}}$	$\frac{A_{\rm BS}}{\bar{4}_{00\frac{1}{2}}^{001}*}$	$\frac{-\mathbb{Z}_{2,4}$	$\frac{z_{2P,1}, z_{4P}}{C_m^{100}}$	$C_{m001}$	_
$\mathbb{Z}_{2,4}$		$4_{00\frac{1}{2}}^{001}*$			$2^{110}_{00\frac{1}{2}}*$			$Cm_{(2)}^{100}$	$Cm_{(2)}^{001}$	_
00	(000)	0	0	0	0	0	0	$2\overline{2}2\overline{2}$	0000	
00	(000)	0	0	0	0	0	0	$\frac{4\overline{4}00}{00\overline{2}0}$	4400	
00	(000)	0	0	0	0	0	0	$\frac{00\overline{2}2}{\overline{2}200}$	0000	_
$\frac{00}{03}$	(000)	0	0	0	0 1	0	0	$\frac{2200}{1\overline{1}00}$	$\frac{0000}{1\overline{1}00}$	_
02	(000)	0	0	0	0	0	0	$\frac{1100}{2\overline{2}00}$	$\frac{1100}{2\overline{2}00}$	_
$\frac{02}{01}$	(000)	1	0	1	1	0	0	$\frac{2200}{3\overline{3}00}$	$\frac{2200}{3\overline{3}00}$	—
$\frac{-01}{10}$	(000)	0	0	0	0	0	0	$\frac{3500}{1\overline{1}1\overline{1}}$	0000	—
13	(000)	1	0	1	1	0	0	$\frac{2\overline{2}1\overline{1}}{2}$	$\frac{1100}{100}$	—
12	(000)	0	0	0	0	0	0	$\frac{2211}{3\overline{3}1\overline{1}}$	$\frac{2\overline{2}00}{200}$	_
11	(000)	1	0	1	1	0	0	$\frac{4\overline{4}1\overline{1}}{4\overline{1}}$	$\frac{3300}{3}$	_
	()	131.4	$\frac{1}{40} P4'_2/m'_3$	m'c (	Classification =	7/ <sub>10</sub> X	$X_{\mathrm{BS}} = \mathbb{Z}_2$ SI =			=
$\mathbb{Z}_2$	weak	$4^{001}_{00\frac{1}{2}}*$	$\frac{10^{-1}42/m}{2^{100}}$	$\frac{i}{i}$	$\frac{2^{110}_{00\frac{1}{2}}*}{2^{10}_{00\frac{1}{2}}}$	$\frac{252}{4001}$	$\frac{g_{00\frac{1}{2}}^{110}}{g_{00\frac{1}{2}}^{10}}$	- 22,54		
										_
0	(000)	0	0	0	0	0	0			
	( /							+ +		=
	1		$\frac{1}{2}$ /mm'c' C		$cation = \mathbb{Z}_M \times$	$\frac{\mathbb{Z}  X_{\text{B}}}{7001}$	$_{\rm SS} = \mathbb{Z}_{2,4}  {\rm SI} = $	$z_{2m,\pi}, z_{4m,0}$	0	_
$\mathbb{Z}_{2,4}$	weak	$4_{00\frac{1}{2}}^{001}$	$2^{100}*$	i	$2^{110}_{00\frac{1}{2}}*$	$\bar{4}^{001}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{1\overline{1}0}*$	$Cm_{(4)}^{001}$		
00	$(00\bar{4})$	$\bar{2}$	0	0	0	0	$\bar{2}$	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	1100		_
02	(000)	0	0	0	0	0	0	$\frac{2\overline{2}00}{2\overline{2}00}$		_
03	(000)	0	1	1	1	1	$\frac{0}{1}$	3300		—
$\frac{10}{11}$	$(00\bar{2})$ $(00\bar{2})$	$\frac{1}{1}$	0	$\frac{1}{0}$	0 1	$\frac{0}{1}$	$\frac{1}{\bar{1}}$	0211 1111		_
$\frac{11}{12}$	$(002)$ $(00\bar{2})$	$\frac{1}{1}$	1	$\frac{0}{1}$	0	0	$\frac{1}{1}$	2011		_
$\frac{12}{13}$	$(002)$ $(00\bar{2})$	1 1	0	0	1	1	<u>1</u> 	$\frac{2011}{3\overline{1}11}$		_
	(002)	131.44								=
	**** a 1-		$\frac{12 P4_2'/m'n}{2^{100}*}$		Classification =	$\frac{Z_{M}}{4001}$	$X_{\mathrm{BS}} = \mathbb{Z}_2  \mathrm{SI} = \mathbb{Z}_1$	$= z_{2,S_4}$		
$\mathbb{Z}_2$	weak	$4_{00\frac{1}{2}}^{001}*$		<i>i</i> *	$2^{110}_{00\frac{1}{2}}$	$\bar{4}^{001}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{1\overline{10}}*$	$Cm_{(0)}^{100}$		_
0	(000)	0	0	0	0	0	0	$\frac{2\overline{2}00}{1\overline{1}\overline{1}\overline{1}\overline{1}}$		_
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	$P_c4_2/mmc$	Class	sification = $\mathbb{Z}^3_{\Lambda}$	, X <sub>BS</sub>	$S = \mathbb{Z}_{2,4}$ $SI = 2$	$z'_{2P1}, z'_{4P}$		
$\mathbb{Z}_{2,4}$	weak	$\{1 00\frac{1}{2}\}*$	4 <sup>001</sup> *	$2^{100}$	i	$2^{110}*$	$\overline{4^{001}}*$	$m_{1\bar{1}0}*$	$Cm_{(2)}^{100}$	$Cm_{(4)}^{001}$
00	(000)	0	0	0	0	0	0	0	$2\overline{2}2\overline{2}$	0000
00	$(00\bar{4})$	1	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	(002)	0	0	0	0	0	0	0	$\bar{2}200$	0000
03	$(00\bar{1})$	1	1	0	1	1	0	0	$1\overline{1}00$	$1\overline{1}00$
02	$(00\bar{2})$	1	0	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$
01	$(00\bar{3})$	1	1	0	1	1	0	0	$3\overline{3}00$	$3\overline{3}00$
10	(000)	0	0	0	0	0	0	0	1111	0000
13	$(00\bar{1})$	1	1	0	1	1	0	0	$2\overline{2}1\overline{1}$	$1\overline{1}00$
12	$(00\bar{2})$	1	0	0	0	0	0	0	$3\overline{3}1\overline{1}$	$2\overline{2}00$
11	$(00\bar{3})$	1	1	0	1	1	0	0	$4\overline{4}1\overline{1}$	$3\overline{3}00$
		131.4	$\frac{45}{1001} P_C 4_2/m$	mc (	Classification =	$\frac{\mathbb{Z}_{M}^{2}}{2^{010}}$	$X_{BS} = \mathbb{Z}_4  SI = \frac{4}{4_{00\frac{1}{2}}^{001}}$	$= z'_{4P}$	o: 001	
$\mathbb{Z}_4$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4_{00\frac{1}{2}}^{001}$	$2^{110}_{00\frac{1}{2}}$	i	$2^{010}$	$4_{00\frac{1}{2}}^{001}$	$Cm_{(2)}^{010}$	$Cm_{(4)}^{001}$	
0	$(\bar{4}\bar{4}0)$	1	0	0	0	0	0	$4\overline{4}00$	$4\overline{4}00$	
0	(000)	0	0	0	0	0	0	<u>2</u> 200	0000	
0	(220)	0	0	0	0	0	0	2200	0000	
3	$(\bar{1}\bar{1}0)$	1	0	0	1	0	1	$1\overline{1}00$	$1\overline{1}00$	
2	$(\bar{2}\bar{2}0)$	1	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$	
1	$(\bar{3}\bar{3}0)$	1	0	0	1	0	1	3300	$3\overline{3}00$	
		131.4	46 $P_I 4_2/m$	mc (	Classification = 0	$\mathbb{Z}_M^2$	$X_{BS} = \mathbb{Z}_4$ $SI =$	$=z_{4P}^{\prime}$		
$\mathbb{Z}_4$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$2^{100}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$	$Cm_{(2)}^{010}$	$Cm_{(4)}^{001}$
0	$(\overline{4}\overline{4}\overline{4})$	1	0	0	0	0	0	0	$4\overline{4}00$	$4\overline{4}00$
0	(000)	0	0	0	0	0	0	0	$2\overline{2}00$	0000
0	(222)	0	0	0	0	0	0	0	$\overline{2}200$	0000
3	$(\bar{1}\bar{1}\bar{1})$	1	1	0	1	1	0	0	$1\overline{1}00$	$1\overline{1}00$
2	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0	0	0	$2\overline{2}00$	$2\overline{2}00$
1	$(\bar{3}\bar{3}\bar{3})$	1	1	0	1	1	0	0	3300	$3\overline{3}00$
	_	132.4	$\frac{147}{100} P4_2/me$		$\frac{110}{110}$	$\mathbb{Z}_{\underline{M}}^2$	$X_{BS} = \mathbb{Z}_4$ $SI =$	$= z'_{4P}$		
$\mathbb{Z}_4$	weak	$4_{00\frac{1}{2}}^{001}$	$2^{100}_{00\frac{1}{2}}$	i	$2^{110}$	$\frac{4001}{400\frac{1}{2}}$	$Cm_{(2)}^{110}$	$Cm_{(4)}^{001}$		
0	(000)	0	0	0	0	0	$4\overline{4}$	$4\overline{4}00$		
0	(000)	0	0	0	0	0	$2\overline{2}$	0000		
0	(000)	0	0	0	0	0	22	0000		
3	(000)	0	0	1	0	1	11	$1\overline{1}00$		
2	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	$\frac{2\overline{2}00}{2\overline{2}00}$		
1	(000)	0	0	1	0	1	$3\overline{3}$	3300		
		132.4			$Classification = \frac{110}{110}$	$\mathbb{Z}_M^2$	$X_{BS} = \mathbb{Z}_4$ SI =	$= z'_{4P}$		
$\mathbb{Z}_4$	weak	$4^{001}_{00\frac{1}{2}}*$	$2^{100}_{00\frac{1}{2}}*$	i	$2^{110}$	$\bar{4}_{00\frac{1}{2}}^{001}*$	$Cm_{(2)}^{110}$	$Cm_{(2)}^{001}$		
0	(000)	0	0	0	0	0	$4\overline{4}$	$4\overline{4}00$		
0	(000)	0	0	0	0	0	$2\overline{2}$	0000		
0	(000)	0	0	0	0	0	$\overline{2}2$	0000		
3	(000)	1	1	1	0	0	11	$1\overline{1}00$		
2	(000)	0	0	0	0	0	$2\overline{2}$	$\frac{2\overline{2}00}{2\overline{2}00}$		
1	(000)	1	1	1	0	0	33	3300		
	, ,	132.4			Classification =	$\mathbb{Z}_M$	$X_{BS} = \mathbb{Z}_2$ $SI =$	$= z'_{2P}$		
$\mathbb{Z}_2$	weak	$4^{001}_{00\frac{1}{2}}*$	$2^{100}_{00\frac{1}{2}}$	i	$2^{110}*$	$\bar{4}_{00\frac{1}{2}}^{001}*$	$m_{1\bar{1}0}*$	$Cm_{(2)}^{001}$		
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	$1\overline{1}00$		

		139 4	52 PA' / r	n'c'm Cla	ssification -	- 7. x X	$p_{\rm G} = \mathbb{Z}_2$ SI =	. %o. a		
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{00\frac{1}{2}}*$	$\frac{52 + 42/7}{2^{100}}$	$\frac{i*}{i*}$	2 <sup>110</sup> *	$\frac{-\omega_M}{4001}$	$\frac{\text{BS} = \mathbb{Z}_2 \text{ SI} = 0}{Cm_{(0)}^{110}}$	22,54		
0	(000)	00 ½	$\frac{-00\frac{1}{2}}{0}$	0	0	$\frac{100\frac{1}{2}}{0}$	$\frac{2\overline{2}}{2\overline{2}}$			
0	(000)	0	0	0	0	0	$\frac{22}{2\overline{2}}$			
1	(000)	1	0	0	1	1	$\frac{22}{1\overline{1}}$			
	/							++		
77	weak	132.433 P	$\frac{42/mcm}{2100}$		$\frac{1001 = Z_M}{2^{110}*}$	$\frac{\times \mathbb{Z}  \Lambda_{BS}}{\overline{4001}}$	$=\mathbb{Z}_{2,4}$ SI $=$	$\frac{z_{2m,\pi}, z_{4m,0}}{C_{m}001}$	0	
$\mathbb{Z}_{2,4}$		$4^{001}_{00\frac{1}{2}}$	$2^{100}_{00\frac{1}{2}}*$			$\bar{4}^{001}_{00\frac{1}{2}}$	$m_{1\bar{1}0}*$	$Cm_{(4)}^{001}$		
00	(004)	2	0	0	0	0	0	0422		
00	(000)	0	0	0	0	0	0	4400		
00 01	(000)	0	0	0	0	$\frac{0}{1}$	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	54 P4' <sub>2</sub> / <sub>2</sub>	m'cm' Cla	essification	$= \mathbb{Z}_2  X_{T}$	$_{\mathrm{SS}} = \mathbb{Z}_2  \mathrm{SI} =$			
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{00\frac{1}{2}}*$	$\frac{2^{100}_{00\frac{1}{2}}*}{2^{100}_{00\frac{1}{2}}}$	$\frac{i*}{i}$	$\frac{2^{110}}{2^{110}}$	$\frac{-22}{4001}$	$\frac{m_{1\bar{1}0}*}{m_{1\bar{1}0}}$	22,54		
	(000)	$\frac{100\frac{1}{2}}{0}$	$\frac{2_{00\frac{1}{2}}}{0}$	0	0	$\frac{100\frac{1}{2}}{0}$	0			
$\frac{0}{1}$	(000)	1	1	0	0	1	0			
	(000)									
	1		$\frac{156 P_c 4_{2}}{4^{001}*}$	$\frac{/mcm}{2^{100}}$ Cla		$\frac{=\mathbb{Z}_M^2}{2^{110}} X$	$_{\mathrm{BS}} = \mathbb{Z}_4  \mathrm{SI} = \frac{1}{4}$	$= z'_{4P}$	α 1 <u>1</u> 0	
$\mathbb{Z}_4$	weak	$\{1 00\frac{1}{2}\}*$			$\frac{i}{2}$		<u>*</u> .	$Cm_{(4)}^{001}$	$Cm_{(2)}^{1\bar{1}0}$	
0	(004)	1	0	0	0	0	0	$\frac{4\overline{4}00}{2000}$	$\frac{4\overline{4}}{\overline{2}}$	
0	$(00\bar{2})$	0	0	0	0	0	0	0000	22	
0	(000)	0	0	0	0	0	0	$\frac{0000}{1\overline{1}00}$	$\frac{2\overline{2}}{1\overline{1}}$	
$\frac{3}{2}$	(001)	1 1	0	$\frac{1}{0}$	$\frac{1}{0}$	0	0	$\frac{1100}{2\overline{2}00}$	$\frac{11}{2\overline{2}}$	
$\frac{2}{1}$	(002)	1	1	1	1	0	0	$\frac{2200}{3\overline{3}00}$	$\frac{22}{3\overline{3}}$	
	(003)		-							
	1.	132.4	$\frac{.57 P_C 4_2}{4001}$	$\frac{/mcm}{2^{110}}$ Cla	assification :	$= \mathbb{Z}_{M}^{2} X$	$E_{\rm BS} = \mathbb{Z}_4$ SI =	$= z'_{4P}$	C110	001
$\mathbb{Z}_4$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$					$\frac{\bar{4}_{001}^{001}}{\bar{4}_{00\frac{1}{2}}^{001}}$	$g_{00\frac{1}{2}}^{100}$	$Cm_{(2)}^{110}$	$Cm_{(4)}^{001}$
0	(440)	1	0	0	0	0	0	0	$\frac{4\overline{4}}{2\overline{2}}$	$\frac{4\overline{4}00}{2000}$
0	(000)	0	0	0	0	0	0	0	$\frac{2\overline{2}}{\overline{2}}$	0000
0	$(\bar{2}\bar{2}0)$	0	0	0	0	0	0	0	$\overline{2}2$	0000
$\frac{3}{2}$	(110) (220)	1	0	0	1	0	1	1	$\frac{1\overline{1}}{2\overline{2}}$	$\frac{1\overline{1}00}{2\overline{2}00}$
$\frac{2}{1}$	(330)	1	0	0	0	0	$\frac{0}{1}$	0 1	$\frac{22}{3\overline{3}}$	$\frac{2200}{3\overline{3}00}$
	(550)									
77	**** 1*	132.4	$\frac{158}{4001} P_I 4_{2_I}$	100 Cla	issincation	$= \mathbb{Z}_{M} - X$	$_{\mathrm{BS}} = \mathbb{Z}_4  \mathrm{SI} = \frac{1}{4001}$	$z_{4P}$	C and 110	
$\mathbb{Z}_4$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}\frac{1}{2}0}*$	$2^{100}_{00\frac{1}{2}}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\frac{4001}{\frac{1}{2}\frac{1}{2}0}*$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{110}$	
0	$(\bar{4}\bar{4}\bar{4})$	1	0	0	0	0	0	$4\overline{4}00$	$\frac{4\overline{4}}{\overline{2}0}$	
0	(222)	0	0	0	0	0	0	0000	$\overline{2}2$	
0	(000)	0	0	0	0	0	0	0000	$2\overline{2}$	
3	$(\overline{1}\overline{1}\overline{1})$	1	$\frac{1}{0}$	0	1	$\frac{1}{0}$	0	$\frac{1\overline{1}00}{2\overline{2}00}$	$\frac{1\overline{1}}{2\overline{2}}$	
2 1	$\frac{(\bar{2}\bar{2}\bar{2})}{(\bar{3}\bar{3}\bar{3})}$	1 1	1	0	0	1	0	$\frac{2200}{3\overline{3}00}$	$\frac{22}{3\overline{3}}$	
1	(000)								<del>აა</del>	
	**** - 1-		$\frac{0.459 P4_2}{0.100}$	$\frac{1}{c}/nbc$ Clas	ssincation =	$= \angle L_2 \qquad \Lambda_{BS}$	$S = \mathbb{Z}_2$ $SI = 2$	$^{\mathbb{Z}}2P$		
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{100}_{0\frac{1}{2}0}$	i	$2^{110}_{00\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$g^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$			
0	(000)	0	0	0	0	0	0			
1	(000)	0	0	1	0	1	1			
		133	$.462 P4_{2}^{\prime}$		ssification =	$=\mathbb{Z}_2$ $X_B$	$S = \mathbb{Z}_2$ $SI = 1$	$z_{2P}'$		
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}0}*$	i	$2^{110}_{00\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$g^{1\overline{10}}_{rac{1}{2}rac{1}{2}rac{1}{2}}$			
0	(000)	0	0	0	0	0	0			

1	(000)	1	1	1	0	0	1		
		133	.463 P4' <sub>2</sub>	/nbc' Clas	sification =	$= \mathbb{Z}_2  X_{BS} :$	$=\mathbb{Z}_2$ SI =	$=z'_{2D}$	
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}0^{\frac{1}{2}}}*$	$2^{100}_{0\frac{1}{2}0}$	i	$2^{110}_{00\frac{1}{2}}*$	$\frac{1}{4^{001}_{\frac{1}{2}0^{\frac{1}{2}}}}$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$	21	
0	(000)	0	$0_{\overline{2}}$ 0	0	00 2	$\frac{\overline{2}}{0}$	$0^{\frac{1}{2}\overline{2}\overline{2}}$		
1	(000)	1	0	1	1	0	0		
	. ,	133.4	164 P4 <sub>2</sub> /	n'b'c Clas	sification =	$=\mathbb{Z}_2$ $X_{\mathrm{BS}}=$	$= \mathbb{Z}_2$ SI $=$	: Z2 S.	
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}0}$	i*	$2^{110}_{00\frac{1}{2}}*$	$\frac{-2}{4^{001}_{\frac{1}{2}0\frac{1}{2}}}$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}$	2,54	
0	(000)	$\frac{1}{2}0\frac{1}{2}$	0 2 0	0	00 2	0	$\frac{0 \frac{1}{2} \frac{1}{2} \frac{1}{2}}{0}$		
1	(000)	1	0	0	1	1	1		
		133.465 <i>I</i>	$P4_2/nb'c'$	Classificat	$ion = \mathbb{Z} \times \mathbb{Z}$	$\mathbb{Z}_2$ $X_{BS} = 1$	$\mathbb{Z}_{2,2}$ 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	$2^{110}_{00\frac{1}{2}}*$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$	, ,	
00	(000)	0	$\frac{0}{2}$	0	0	0	0		
00	(004)	2	0	0	0	0	2		
01	(002)	1	1	1	0	0	1		
10	(000)	0	1	1	1	1	0		
11	(002)	1	0	0	1	1	1		
						$= \mathbb{Z}_2 X_{\mathrm{BS}} =$		$z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}0}*$	i*	$2^{110}_{00\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$g_{rac{1}{2}rac{1}{2}rac{1}{2}}^{1rac{1}{2}}*$		
0	(000)	0	0	0	0	0	0		
1	(000)	1	1	0	0	1	0		
	1			$\frac{2/nbc}{c^{100}}$ Clas		$=\mathbb{Z}_2$ $X_{BS}$ :		$= z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{0\frac{1}{2}0}$	i	$2^{110}_{000}*$	$\bar{4}^{001}_{\frac{1}{2}00}*$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$	
0	(002)	1	0	0	0	0	0	0	
1	(001)				1				
$\overline{\mathbb{Z}_2}$	weak		$\frac{469 P_C 4}{4001}$	$\frac{2/nbc}{2^{110}}$ Clas		$= \mathbb{Z}_2 X_{\mathrm{BS}}$	$= \mathbb{Z}_2 \text{ S1} = \frac{1}{\sqrt{1001}}$	$= z'_{2P}$	
	$(\bar{2}\bar{2}0)$	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4_{0\frac{1}{2}\frac{1}{2}}^{001}*$	$\begin{array}{c} 2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} * \\ 0 \end{array}$	$\frac{i_{\frac{1}{2}\frac{1}{2}0}*}{0}$	$2^{010}_{\frac{1}{2}00}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$g_{\frac{1}{2}00}^{100}*$	
0	$(\overline{110})$	1	0	1	0	0	0	0	
	(110)		<del>-</del>			$=\mathbb{Z}_2$ $X_{\mathrm{BS}}$ :			
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{4001}{4_{0\frac{1}{2}0}^{001}}*$	$\frac{2/nbc}{2_{0\frac{1}{2}0}^{100}}$		$\frac{-22}{2\frac{110}{\frac{1}{2}\frac{1}{2}0}}$ *	$\frac{-22}{4^{001}_{\frac{1}{2}0^{\frac{1}{2}}}}$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}}{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}}$	
$\frac{22}{0}$	(222)	1	$\frac{\mathbf{q}_{0\frac{1}{2}0}}{0}$	$\frac{20\frac{1}{2}0}{0}$	$\frac{i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*}{0}$	$\frac{\frac{2\frac{1}{2}\frac{1}{2}0}{0}}{0}$	$\frac{\frac{1_{\frac{1}{2}}0\frac{1}{2}}{0}}{0}$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0}$	
1	(111)	1	1	0	0	1	1	1	
	(111)			nnm Clas			$=\mathbb{Z}_2$ SI:		
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}0^{\frac{1}{2}}}$	$\frac{2^{100}_{0\frac{1}{2}\frac{1}{2}}}{2^{100}_{0\frac{1}{2}\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{2^{110}}{}$	$\frac{-23M}{4001} \frac{1185}{4\frac{1}{2}0\frac{1}{2}}$	$\frac{-22}{Cm_{(2)}^{110}}$	<i>− ≈</i> 2 <i>P</i>	
0	(000)	$\frac{1}{2}0\frac{1}{2}$	0 ½ ½	0	0	$\frac{1}{2}0\frac{1}{2}$	$\frac{(2)}{2\overline{2}}$		
0	(000)	0	0	0	0	0	$\frac{-2}{2}$		
1	(000)	0	0	1	0	1	$1\overline{1}$		
		134.4	$174 P4_2'$	nn'm Clas	ssification :	$=\mathbb{Z}_{M}$ $X_{\mathrm{BS}}$	$S = \mathbb{Z}_2$ 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	$2^{110}$	$\frac{\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$Cm_{(2)}^{110}$		
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	$1\overline{1}$		
			$475 P4'_{2}$		ssification	$=\mathbb{Z}_2$ $\overline{X_{BS}}$	$=\mathbb{Z}_2$ SI =	$=z_{2P}^{\prime}$	
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$	i	$2^{110}*$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$		
0	(000)	0	0	0	0	0	0		
1	(000)	1	0	1	1	0	0		
	,		$\frac{76 P4_2'/r}{2100}$	n'n'm Clas		$= \mathbb{Z}_M  X_{BS}$	$=\mathbb{Z}_2$ SI	$= z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2_{0\frac{1}{2}\frac{1}{2}}^{100}$	i*	2 <sup>110</sup> *	$\frac{4001}{4_{\frac{1}{2}0_{\frac{1}{2}}}^{001}}$	$Cm_{(0)}^{110}$		
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$		
0	(000)	0	0	0	0	0	$2\overline{2}$		

1	(000)	1	0	0	1	1	11			
	,	134.477	$\overline{P4_2/nn'm'}$	Classifica	$t_{ion} = \mathbb{Z} \times$	$\mathbb{Z}_2$ $\mathbb{X}_{PC}$	$=\mathbb{Z}_{2,2}$ SI $=$	72 S 74C/2		
$\overline{\mathbb{Z}_{2,2}}$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}$	$\frac{2^{100}}{2^{100}_{0\frac{1}{2}\frac{1}{2}}}*$	i	2 <sup>110</sup> *	$\frac{\overline{4001}}{\overline{4001}}$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$	~2,54, ~40 / =		
$\frac{-2,2}{00}$	(000)	$\frac{-\frac{1}{2}0\frac{1}{2}}{0}$	$\frac{-0\frac{1}{2}\frac{1}{2}}{0}$	0	0	$0^{-\frac{1}{2}0\frac{1}{2}}$	$\frac{g_{\frac{1}{2}\frac{1}{2}0}}{0}$			
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			
		134.	$.478  P4'_2/r$	n'nm' Cla	ssification	$=\mathbb{Z}_2$ $X_B$	$_{\mathrm{S}}=\mathbb{Z}_{2}$ $\mathrm{SI}=% \left( \mathbb{Z}_{2}\right) =0$	$z_{2.S_4}$		
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	i*	$2^{110}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$	) - 1		
0	(000)	0	0	0	0	0	0			
1	(000)	1	1	0	0	1	0			
		134	$A80 P_{c}4_{2}$	nnm Cla	ssification	$=\mathbb{Z}_{M}$ $X_{\mathbf{I}}$	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ SI =	= z' <sub>2P</sub>		
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$		$2^{100}_{0\frac{1}{2}0}*$	i	$2^{110}_{000}$	$\bar{4}^{001}_{\frac{1}{2}00}*$	$Cm_{(2)}^{110}$		
0	(002)	1	$\frac{1}{2}00$	0	0	0	$\frac{\frac{1}{2}00}{0}$	$\frac{2\overline{2}}{2\overline{2}}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}$		
1	(001)	1	1	1	1	0	0	11		
	-	134.	$A81 P_C 4_2$	/nnm Cla	ssification	$=\mathbb{Z}_{M}$ X	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ SI =	$=z'_{2P}$		
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$		$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{\frac{1}{2}0^{\frac{1}{2}}}$	$\frac{4001}{4_{\frac{1}{2}0\frac{1}{2}}}$	$g_{\frac{1}{2}0\frac{1}{2}}^{100}*$	$Cm_{(2)}^{110}$	
0	(220)	1	0	$\frac{\overline{2}\overline{2}0}{0}$	0	$0^{\frac{\overline{2}}{2}0}$	$\frac{\overline{2}}{0}$	0	$\frac{2\overline{2}}{2}$	
0	(000)	0	0	0	0	0	0	0	$2\overline{2}$	
1	(110)	1	1	1	0	0	1	0	$1\overline{1}$	
		134	$A82 P_I 4_2 / $	nnm Cla	ssification	$=\mathbb{Z}_{M}$ $X_{\mathrm{I}}$	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ SI =	$=z'_{2P}$		
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4_{0\frac{1}{2}0}^{001}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\frac{\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}}{$	$Cm_{(2)}^{110}$		
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0	$\frac{2^{0}}{0}$	$\frac{2\overline{2}}{2}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}$		
1	$(\bar{1}\bar{1}\bar{1})$	1	1	0	0	1	1	1 <del>1</del>		
		135	$.483  P4_2/r$	mbc Class	sification =	$\mathbb{Z}_M$ $X_{BS}$	$S = \mathbb{Z}_4$ $SI =$	$z_{4m,0}^{+}$		
$\overline{\mathbb{Z}_4}$	weak	$4_{00\frac{1}{2}}^{001}$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{00\frac{1}{2}}$	$g^{1\overline{1}0}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$Cm_{(4)}^{001}$		
0	(000)	0	0	0	0	0	0	$4\overline{400}$		
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	$2\overline{2}00$		
3	(000)	0	0	1	0	1	1	$3\overline{3}00$		
			$5.486  P4_2'$	mb'c Clas	ssification =	$=\mathbb{Z}_M$ $X_E$	$_{\mathrm{SS}}=\mathbb{Z}_{2}$ $\mathrm{SI}=% \left( \mathbb{Z}_{2}\right) =\mathbb{Z}_{2}$			
$\mathbb{Z}_2$	weak	$4_{00\frac{1}{2}}^{001} *$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{00\frac{1}{2}}*$	$g^{110}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$Cm_{(2)}^{001}$		_ <del>_</del>
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	$1\overline{1}00$		
		135.48		bc' Classif	fication = 2		$=\mathbb{Z}_4$ $SI=z$	4,135.487		
$\mathbb{Z}_4$	weak	$4_{00\frac{1}{2}}^{001}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}_{00\frac{1}{2}}*$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$	$Cm_{(2)}^{001}$		
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	$\frac{2\overline{2}00}{2\overline{2}00}$		
1	(000)	1	0	1	1	0	0	3300		
			$0.488 P4_2/6$		ssification :		$S = \mathbb{Z}_2$ $SI = \mathbb{Z}_2$	$z_{2,S_4}$		
$\mathbb{Z}_2$	weak	$4^{001}_{00\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}$	i*	$2\frac{110}{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}_{00\frac{1}{2}}$	$g^{1\overline{1}0}_{rac{1}{2}rac{1}{2}rac{1}{2}}$			
0	(000)	0	0	0	0	0	0			
1	(000)	1	0	0	1	1	1			

		135.489	$P4_2/mb'c'$	Classificati	$ion = \mathbb{Z}_M$	√Z X <sub>BS</sub>	$=\mathbb{Z}_{2,4}$ SI $=$	z <sup>+</sup> , z <sup>+</sup>		
$\overline{\mathbb{Z}_{2,4}}$	weak	$4^{001}_{00\frac{1}{2}}$	$\frac{2^{100}_{\frac{1}{2}\frac{1}{2}0}*}{2^{100}_{\frac{1}{2}\frac{1}{2}0}}$	$\frac{i}{i}$	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{\frac{1}{2}\frac{1}{2}}}$	$\frac{\bar{4}_{001}^{001}}{\bar{4}_{00\frac{1}{2}}^{001}}$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*}{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{10}}$	$Cm_{(4)}^{001}$	)	
$\frac{-2,4}{00}$	$(00\bar{4})$	$\frac{-00\frac{1}{2}}{\bar{2}}$	$\frac{-\frac{1}{2}\frac{1}{2}0}{0}$	0	$\frac{-\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{-00\frac{1}{2}}{0}$	$\frac{\frac{3\frac{1}{2}\frac{1}{2}\frac{1}{2}}{2}}{2}$	0422		
00	(004)	0	0	0	0	0	0	$\frac{0422}{4\overline{4}00}$		
00	(000)	0	0	0	0	0	0	0000		
01	(000)	0	1	1	1	1	0	$\frac{1100}{1}$		
02	(000)	0	0	0	0	0	0	$2\overline{2}00$		
03	(000)	0	1	1	1	1	0	$3\bar{3}00$		
10	$(00\overline{2})$	1	1	1	0	0	1	0211		
11	$(00\bar{2})$	1	0	0	1	1	1	1111		
12	$(00\bar{2})$	1	1	1	0	0	Ī	2011		
13	$(00\bar{2})$	1	0	0	1	1	1	$3\overline{1}11$		
		135	$.490 P4_2'$	m'bc' Clas		$=\mathbb{Z}_2$ $X_B$	$_{\mathrm{S}}=\mathbb{Z}_{2} \mathrm{SI}=% \left\{ \mathbb{Z}_{2}\right\} =0$	$z_{2,S_4}$		
$\mathbb{Z}_2$	weak	$4^{001}_{00\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}0}*$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{00\frac{1}{2}}$	$g^{1ar{1}0}_{rac{1}{2}rac{1}{2}rac{1}{2}}*$			
0	(000)	0	0	0	$0^{\frac{2}{2}}$	0	0			
1	(000)	1	1	0	0	1	0			
		135.	$\frac{1}{492} P_{c}4_{2}$	mbc Class	sification =	$\mathbb{Z}_M$ $X_{B}$	$S = \mathbb{Z}_4$ $SI =$	z <sup>+</sup> , 0		
$\mathbb{Z}_4$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{4^{001}*}{4^{001}}$	$\frac{2^{100}_{\frac{1}{2}\frac{1}{2}0}}{2^{100}_{\frac{1}{2}\frac{1}{2}0}}$	$\frac{i}{i}$	$\frac{2^{110}_{M}}{2^{110}_{\frac{1}{2}\frac{1}{2}0}}*$	$\frac{5}{4^{001}}$ *	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$	$Cm_{(4)}^{001}$	
0	(004)	1	0	$\frac{-\frac{1}{2}\frac{1}{2}0}{0}$	0	$\frac{-\frac{1}{2}\frac{1}{2}0}{0}$	0	$\frac{g_{\frac{1}{2}\frac{1}{2}0}}{0}$	$\frac{4\overline{400}}{4\overline{400}}$	
0	$(004)$ $(00\bar{2})$	0	0	0	0	0	0	0	0000	
1	(002)	1	1	0	1	1	0	0	$\frac{\overline{1100}}{1100}$	
2	(002)	1	0	0	0	0	0	0	$\frac{2\overline{2}00}{2}$	
3	(003)	1	1	0	1	1	0	0	$\frac{3\overline{3}00}{3}$	
	/	135 4	$\frac{1}{493} P_{C} 4_{24}$	mbc Class	sification =	- Z <sub>M</sub> X <sub>D</sub>	$SS = \mathbb{Z}_4$ $SI =$	<u>z</u> +		
$\overline{\mathbb{Z}_4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$		$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{\frac{1}{2}\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{2010}{110}$ *	$\frac{4001}{4^{001}_{\frac{1}{2}^{\frac{1}{2}^{\frac{1}{2}}}}}*$	$\frac{\sim_{4m,0}}{m_{100}*}$	$Cm_{(4)}^{001}$	
0	(440)	1	$\frac{\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{2\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	0	0	$\frac{\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	0	$\frac{4\overline{400}}{4\overline{400}}$	
0	$(\bar{2}\bar{2}0)$	0	0	0	0	0	0	0	0000	
1	(110)	1	1	0	1	1	0	0	$\frac{1100}{1}$	
2	(220)	1	0	0	0	0	0	0	$\frac{2\overline{2}00}{2}$	
3	(330)	1	1	0	1	1	0	0	$3\overline{3}00$	
		135.	$\frac{1}{494} P_{1} 4_{2} /$	mbc Class	sification =	$\mathbb{Z}_M$ $X_{B}$	$S = \mathbb{Z}_4$ $SI =$	z <sup>+</sup>		
$\overline{\mathbb{Z}_4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$		$2^{100}_{00\frac{1}{2}}*$	i	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	$\frac{4^{001}}{4^{001}}$ *	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}$	$Cm_{(4)}^{001}$	
0	$(\overline{444})$	1	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{-00\frac{1}{2}}{0}$	0	$\frac{-\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0}$	$\frac{4\overline{400}}{4\overline{400}}$	
0	(222)	0	0	0	0	0	0	0	0000	
1	$(\overline{1}\overline{1}\overline{1})$	1	1	1	1	0	0	1	$\frac{0000}{1\overline{1}00}$	
2	$(\overline{2}\overline{2}\overline{2})$	1	0	0	0	0	0	0	$\frac{2\overline{2}00}{2}$	
3	$(\bar{3}\bar{3}\bar{3})$	1	1	1	1	0	0	1	$\frac{3\overline{3}00}{3}$	
	/	136	$.495 P4_2/$	mnm. Cla	ssification	$= \mathbb{Z}_{2}^{2}$ , X	$_{\mathrm{BS}}=\mathbb{Z}_{4}$ SI :	= 2'. p		
$\overline{\mathbb{Z}_4}$	weak	$\begin{array}{r} 4001 \\ \frac{1}{2} \frac{1}{2} \frac{1}{2} \end{array}$	$\frac{2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{2^{110}}{}$	$\frac{-2M}{4001}$	$\frac{Cm_{(2)}^{110}}{Cm_{(2)}^{110}}$	$\frac{-z_{4P}}{Cm_{(4)}^{001}}$		
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	$\frac{\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{6m(2)}{4\overline{4}}$	$\frac{4\overline{400}}{4\overline{400}}$		
0	(000)	0	0	0	0	0	$\frac{44}{2\overline{2}}$	0000		
0	(000)	0	0	0	0	0	$\frac{22}{22}$	0000		
3	(000)	0	0	1	0	1	$\frac{\frac{22}{11}}{11}$	$\frac{\overline{1100}}{1100}$		
2	(000)	0	0	0	0	0	$\frac{11}{2\overline{2}}$	$\frac{2\overline{2}00}{2}$		
	(000)	0	0	1	0	1	${3\overline{3}}$	$3\overline{3}00$		
1	(000)					772 V	77 CT			
	(000)	136.	498 P4's/	mn'm Cla	ssification	= # 7.7 ^	$_{\rm BS}=\mathbb{Z}_{4}$	$=z_{AD}$		
	weak		$\frac{498 P4_2'}{2_{111}^{100} *}$	$\frac{mn'm}{i}$ Cla	ssification 2 <sup>110</sup>	$= \mathbb{Z}_{M} \wedge \Lambda = \overline{4_{111}^{001}} *$	$C_{\text{BS}} = \mathbb{Z}_4  \text{SI}$ $Cm_{(2)}^{110}$	$\frac{z_{4P}}{Cm_{(2)}^{001}}$		
$\mathbb{Z}_4$	weak	$4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	i	$2^{110}$	$ar{4}^{001}_{rac{1}{2}rac{1}{2}rac{1}{2}}*$	$Cm_{(2)}^{110}$	$Cm_{(2)}^{001}$		
$\mathbb{Z}_4$	weak (000)	$\begin{array}{c} 4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} * \\ 0 \end{array}$	$\begin{array}{c} 2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} * \\ 0 \end{array}$	$i \\ 0$	$2^{110}$ 0	$\begin{array}{c} \bar{4}^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} * \\ 0 \end{array}$	$\frac{Cm_{(2)}^{110}}{4\overline{4}}$	$\frac{Cm_{(2)}^{001}}{4\overline{4}00}$		
$\mathbb{Z}_4$	weak (000) (000)	$\begin{array}{c} 4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} * \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} 2_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{100} * \\ 0 \\ 0 \end{array} $	<i>i</i> 0 0	$ \begin{array}{c} 2^{110} \\ 0 \\ 0 \end{array} $	$\begin{array}{c} \overline{4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}} * \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} Cm_{(2)}^{110} \\ 4\overline{4} \\ 2\overline{2} \end{array} $	$ \begin{array}{c} Cm_{(2)}^{001} \\ 4\overline{400} \\ 0000 \end{array} $		
$\mathbb{Z}_4$ $0$ $0$	weak (000)	$\begin{array}{c} 4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} * \\ 0 \end{array}$	$\begin{array}{c} 2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} * \\ 0 \end{array}$	$i \\ 0$	$2^{110}$ 0	$\begin{array}{c} \bar{4}^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} * \\ 0 \end{array}$	$\frac{Cm_{(2)}^{110}}{4\overline{4}}$	$\frac{Cm_{(2)}^{001}}{4\overline{4}00}$		

1	(000)	1	1	1	0	0	33	3300		
		136.4	$99 P4_2/r$	nnm' Clas	ssification	$= \mathbb{Z}_M  X_B$	$S = \mathbb{Z}_2$ SI =	$=z'_{2D}$		
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	i	2110*	$\frac{\bar{4}^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	$\frac{5}{m_{1\bar{1}0}*}$	$Cm_{(2)}^{001}$		
0	(000)	$\frac{\overline{2}\ \overline{2}\ \overline{2}}{0}$	$\frac{\overline{2}\ \overline{2}\ \overline{2}}{0}$	0	0	$\frac{\overline{2}  \overline{2}  \overline{2}}{0}$	0	$\frac{2\overline{200}}{2\overline{200}}$		
0	(000)	0	0	0	0	0	0	$\frac{2\overline{2}00}{2}$		
1	(000)	1	0	1	1	0	0	1100		
	,	136.50	$\frac{1}{10000000000000000000000000000000000$	n'n'm Clas	sification =	$= \mathbb{Z}_M \times X_{\mathbf{P}}$	$S = \mathbb{Z}_2$ SI =	= %2 8		
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\frac{2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{2^{\frac{1}{2}\frac{1}{2}}}$	$\frac{i*}{i*}$	2 <sup>110</sup> *	$\frac{4001}{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\frac{Cm_{(0)}^{110}}{Cm_{(0)}^{110}}$	~2,54		
0	(000)	$\frac{1}{2} \frac{1}{2} \frac{1}{2}$	$\frac{\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	0	0	$\frac{\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{(0)}{2\overline{2}}$			
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$			
1	(000)	1	0	0	1	1	1 <u>1</u>			
			$\frac{1}{4}$ 2/ $mn'm'$				$=\mathbb{Z}_{2,4}$ SI $=$	. ~+ ~+		
$\overline{\mathbb{Z}_{2,4}}$	weak		$\frac{2^{100}}{2^{101}_{\frac{1}{2}^{\frac{1}{2}^{\frac{1}{2}}}}}*$	i	$\frac{1011 - Z_M}{2^{110}*}$	$\frac{\lambda Z}{4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}$	$\frac{- \omega_{2,4}}{m_{1\bar{1}0}} *$	$\frac{2m,\pi}{Cm_{(4)}^{001}}$		
		$4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	444							
00	(004)	2	0	0	0	0	0	$\frac{0422}{4\overline{4}00}$		
00	(000)	0	0	0	0	0	0	0000		
01	(000)	0	1	1	1	1	0	$\frac{0000}{1\overline{1}00}$		
$\frac{01}{02}$	(000)	0	0	0	0	0	0	$\frac{1100}{2\overline{2}00}$		
03	(000)	0	1	1	1	1	0	$\frac{2200}{3\overline{3}00}$		
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	$3\overline{1}11$		
	, ,	136.5	$02 P4'_2/n$	n'nm' Cla	ssification	$=\mathbb{Z}_2$ $X_{BS}$	$S = \mathbb{Z}_2$ $SI =$	= Z <sub>2</sub> S.		
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	i*	$2^{110}$	$\frac{1}{4001}$	$m_{1\bar{1}0}*$	2,04		
0	(000)	$\frac{\bar{2}\ \bar{2}\ \bar{2}}{0}$	$\frac{\bar{2}  \bar{2}  \bar{2}}{0}$	0	0	$\frac{\bar{2}  \bar{2}  \bar{2}}{0}$	0			
1	(000)	1	1	0	0	1	0			
	()	136 5	ΩΛ P Λ <sub>2</sub> /	mnm Clas	ssification	- 7/2 X	$_{ m S}=\mathbb{Z}_4$ SI =	- ~'		
$\overline{\mathbb{Z}_4}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{4^{001}_{\frac{1}{2}\frac{1}{2}0}*}{4^{001}_{\frac{1}{2}\frac{1}{2}0}}$	$\frac{2^{100}}{2^{\frac{1}{2}\frac{1}{2}0}}*$	$\frac{i}{i}$	$\frac{-2M}{2_{000}^{110}}$	$\frac{5-24}{4^{001}}$ *	$\frac{-z_{4P}}{Cm_{(2)}^{110}}$	$Cm_{(4)}^{001}$	
$\frac{224}{0}$	$(00\overline{4})$	1	$\frac{\frac{1}{2}\frac{1}{2}0^{\pi}}{0}$	$\frac{2\frac{1}{2}\frac{1}{2}0}{0}$	0	0	$\frac{\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{Cm_{(2)}}{4\overline{4}}$	$\frac{6m_{(4)}}{4\overline{4}00}$	
0	(004)	0	0	0	0	0	0	$\frac{44}{2\overline{2}}$	0000	
0	(000)	0	0	0	0	0	0	$\frac{22}{\overline{2}2}$	0000	
3	(002) $(001)$	1	1	1	1	0	0	$\frac{22}{11}$	$1\overline{1}00$	
$\frac{3}{2}$	$(00\overline{2})$	1	0		0	0	0			
$\frac{2}{1}$				()		O		2.2.	2200	
	(003)	1	1	0	1	0	0	$\frac{2\overline{2}}{3\overline{3}}$	$\frac{2\overline{2}00}{3\overline{3}00}$	
-	$(00\bar{3})$	1	1	1	1 ssification		0	$3\overline{3}$	$\frac{2200}{3\overline{3}00}$	
7	,	1 136.5	$\frac{1}{05 P_C 4_2/}$	1 mnm Cla		$=\mathbb{Z}_{M}^{2}$ $X_{F}$	$0$ $_{3S} = \mathbb{Z}_4$ SI =	$= \frac{3\overline{3}}{z'_{4P}}$	3300	$Cm^{110}$
$\mathbb{Z}_4$	weak	$\frac{1}{\{1 \frac{1}{2}\frac{1}{2}0\}*}$	$\frac{1}{05 P_C 4_2 / 4_{\frac{1}{2} \frac{1}{2} \frac{1}{2}}}$	$\frac{1}{2^{110}_{\frac{1}{2}\frac{1}{2}0}} *$	i	$= \frac{\mathbb{Z}_{M}^{2}}{2_{00\frac{1}{2}}^{010} *} \mathbf{X}_{E}$	$ \frac{0}{\text{as} = \mathbb{Z}_4  \text{SI} = \frac{1}{4} \frac{1}{2} \frac{1}{2} \frac{1}{2}} $	$ \begin{array}{c} 3\overline{3} \\ = z'_{4P} \\ g^{100}_{00\frac{1}{2}} * \end{array} $	$3\overline{3}00$ $Cm_{(4)}^{001}$	$Cm_{(2)}^{110}$
0	$\begin{array}{c} \text{weak} \\ (\bar{4}\bar{4}0) \end{array}$	$   \begin{array}{r}     1 \\     \hline     136.5 \\     \{1 \frac{1}{2}\frac{1}{2}0\}* \\     1   \end{array} $	$ \frac{1}{05 P_C 4_2 / 4_{\frac{1}{2} \frac{1}{2} \frac{1}{2}}} $	$ \frac{1}{\frac{2^{110}}{2^{\frac{1}{2}}}} * \\ 0 $	<i>i</i> 0	$ \begin{array}{c}                                     $	$ \begin{array}{c} 0 \\ 3S = \mathbb{Z}_4  SI = \frac{4}{4} \frac{001}{\frac{1}{2} \frac{1}{2} \frac{1}{2}} \\ 0 \end{array} $	$ \begin{array}{c} 3\overline{3} \\ = z'_{4P} \\ g_{00\frac{1}{2}}^{100} * \\ 0 \end{array} $	$   \begin{array}{r}     3\overline{3}00 \\     \hline     Cm^{001}_{(4)} \\     4\overline{4}00   \end{array} $	$4\overline{4}$
0	weak $(\bar{4}\bar{4}0)$ $(220)$	$ \begin{array}{r} 1\\ 136.5\\ \{1 \frac{1}{2}\frac{1}{2}0\}*\\ 1\\ 0 \end{array} $	$ \begin{array}{c} 1 \\ 05 P_C 4_2 / \\ 4_{\frac{1}{2} \frac{1}{2} \frac{1}{2}}^{001} \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} 1 & & \\ \hline mnm & Cla \\ 2^{110}_{\frac{1}{2}\frac{1}{2}0} * & \\ 0 & & \\ 0 & & \\ \end{array} $	<i>i</i> 0 0	$ \begin{array}{c c}  & \mathbb{Z}_{M}^{2} & \mathbb{X}_{E} \\  & \mathbb{Z}_{00\frac{1}{2}}^{010} * \\  & 0 \\  & 0 \end{array} $	$ \begin{array}{c} 0 \\ 3S = \mathbb{Z}_4  SI = \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 3\overline{3} \\ = z'_{4P} \\ g^{100}_{00\frac{1}{2}} * \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 3\overline{3}00 \\ Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \end{array} $	$\frac{4\overline{4}}{\overline{2}2}$
0 0 0	weak (440) (220) (000)	$ \begin{array}{r} 1\\ 136.5\\ \{1 \frac{1}{2}\frac{1}{2}0\}*\\ 1\\ 0\\ 0 \end{array} $	$ \begin{array}{r} 1 \\ 05 P_C 4_2 / \\ 4_{\frac{1}{2} \frac{1}{2} \frac{1}{2}}^{001} \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	<i>i</i> 0 0 0 0	$ \begin{array}{c}                                     $	$ \begin{array}{c} 0 \\ a_{SS} = \mathbb{Z}_{4}  SI = \frac{4001}{\frac{1}{2} \frac{1}{2} \frac{1}{2}} \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 3\overline{3} \\ = z'_{4P} \\ g^{100}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 3\overline{3}00 \\ Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 0000 \end{array} $	$ \begin{array}{r} 4\overline{4} \\ \hline 22 \\ 2\overline{2} \end{array} $
$ \begin{array}{c c} 0 \\ 0 \\ \hline 0 \\ 3 \end{array} $	weak (440) (220) (000) (110)	$ \begin{array}{r} 1\\ 136.5\\ \{1 \frac{1}{2}\frac{1}{2}0\}*\\ 1\\ 0\\ 0\\ 1 \end{array} $	$ \begin{array}{c c} 1 \\ 05 & P_C 4_{2/} \\ 4_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{001} \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} 1 \\ \hline mnm & Cla \\ 2\frac{1}{2}\frac{1}{2}\frac{1}{2}0 * \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	i 0 0 0 1	$ \begin{array}{c}                                     $	$ \begin{array}{c} 0 \\ _{3S} = \mathbb{Z}_4  SI = \\ \frac{\bar{4}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}{0} \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 3\overline{3} \\ = z'_{4P} \\ g^{100}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 3\overline{3}00 \\ Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 0000 \\ 1\overline{1}00 \end{array} $	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ \overline{22} \\ 1\overline{1} \end{array} $
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ \hline 3 \\ 2 \end{array} $	weak (440) (220) (000) (110) (220)	$ \begin{array}{r} 1\\ 136.5\\ \{1 \frac{1}{2}\frac{1}{2}0\}*\\ 1\\ 0\\ 0 \end{array} $	$ \begin{array}{r} 1 \\ 05 P_C 4_2 / \\ 4_{\frac{1}{2} \frac{1}{2} \frac{1}{2}}^{001} \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	<i>i</i> 0 0 0 0	$ \begin{array}{c}                                     $	$ \begin{array}{c} 0 \\ a_{SS} = \mathbb{Z}_{4}  SI = \frac{4001}{\frac{1}{2} \frac{1}{2} \frac{1}{2}} \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 3\overline{3} \\ = z'_{4P} \\ g^{100}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 3\overline{3}00 \\ Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}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} 0 \\ 0 \\ \hline 0 \\ 3 \end{array} $	weak (440) (220) (000) (110)	$ \begin{array}{c} 1 \\ 136.5 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 1 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $	$ \begin{array}{c c} \hline 1 \\ \hline 05 & P_C 4_2 / \\ \hline 4_{\frac{1}{2} \frac{1}{2} \frac{1}{2}}^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	i 0 0 0 1 0	$ \begin{array}{c}                                     $	$ \begin{array}{c} 0 \\ \hline 3S = \mathbb{Z}_4  SI = \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 3\overline{3} \\ = z'_{4P} \\ \hline g^{100}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 3\overline{3}00 \\ Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 0000 \\ 1\overline{1}00 \end{array} $	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ \overline{22} \\ 1\overline{1} \end{array} $
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \end{array} $	$\begin{array}{c} \text{weak} \\ (\overline{440}) \\ (220) \\ (000) \\ (\overline{110}) \\ (\overline{220}) \\ (\overline{330}) \\ \end{array}$	$ \begin{array}{r} 1\\ 136.5\\ \{1 \frac{1}{2}\frac{1}{2}0\}*\\ 1\\ 0\\ 0\\ 1\\ 1\\ 136.5 \end{array} $	$ \begin{array}{c c} \hline 1 \\ \hline 05 & P_C 4_2 / \\ \hline 4_{\frac{1}{2} \frac{1}{2} \frac{1}{2}}^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	i 0 0 0 1 0 1 ssification	$egin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c} 0 \\ \hline 3S = \mathbb{Z}_4 & SI = \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ S = \mathbb{Z}_4 & SI = \\ \end{array} $	$ \begin{array}{c} 3\overline{3} \\ = z'_{4P} \\ \hline g^{100}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ = z'_{4P} \end{array} $	$ \begin{array}{r} 3\overline{3}00 \\ Cm^{001}_{(4)} \\ 4400 \\ 0000 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \end{array} $	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ \overline{11} \\ 2\overline{2} \end{array} $
$egin{array}{c} 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \end{array}$	weak (440) (220) (000) (110) (220) (330)  weak	$ \begin{array}{c} 1 \\ 136.5 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 1 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$	$ \begin{array}{c c} \hline 1 \\ \hline 05 & P_C 4_2 / \\ \hline 4_{\frac{1}{2},\frac{1}{2},\frac{1}{2}}^{001} \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	i $0$ $0$ $0$ $1$ $0$ $1$ ssification $i$	$ \begin{aligned} &= \mathbb{Z}_{M}^{2} & \mathbf{X}_{\mathbf{B}} \\ &= \mathbb{Z}_{000\frac{1}{2}}^{2} * \\ &= \mathbb{Z}_{000\frac{1}{2}}^{2} * \\ &= \mathbb{Z}_{M}^{2} & \mathbf{X}_{\mathbf{B}} \\ &= \mathbb{Z}_{M}^{2} & \mathbf{X}_{\mathbf{B}} \end{aligned} $	$ \begin{array}{c} 0 \\ 3S = \mathbb{Z}_4  SI = \frac{4}{4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}} \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ S = \mathbb{Z}_4  SI = \frac{4}{4^{001}} \\ S = \mathbb{Z}_4  SI = \frac{4}{4^{001}} \\ S =$	$ \begin{array}{c} 3\overline{3} \\ = z'_{4P} \\ \hline g^{100}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ = z'_{4P} \\ Cm^{001}_{(4)} \end{array} $	$ \begin{array}{c} 3\overline{3}00 \\ Cm^{001}_{(4)} \\ 4\overline{4}00 \\ 0000 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 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} 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline \mathbb{Z}_4 \\ 0 \end{array} $	$\begin{array}{c} \text{weak} \\ \hline (440) \\ (220) \\ (000) \\ \hline (110) \\ (220) \\ \hline (330) \\ \\ \hline \end{array}$	$ \begin{array}{c} 1 \\ 136.5 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 1 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 136.5 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 1 \end{array} $	$ \begin{array}{c c} \hline 1 \\ \hline 05 & P_C 4_2 / \\ \hline 4_{\frac{1}{2} \frac{1}{2} \frac{1}{2}}^{001} \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c} i \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ \hline 1 \\ ssification \\ i \\ 0 \end{array} $	$ \begin{array}{c c}                                    $	$ \begin{array}{c} 0 \\ \hline 3S = \mathbb{Z}_4 & SI = \\ \hline 4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ S = \mathbb{Z}_4 & SI = \\ \hline 4^{001}_* & SI = \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 3\overline{3} \\ = z'_{4P} \\ \hline g^{100}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ = z'_{4P} \\ \hline Cm^{001}_{(4)} \\ 4\overline{4}00 \end{array} $	$ \begin{array}{c} 3\overline{3}00 \\ Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 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} 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline  & \\  & \\ 0 \\ 0 \end{array} $	$\begin{array}{c} \text{weak} \\ \hline (440) \\ (220) \\ (000) \\ \hline (110) \\ \hline (220) \\ \hline (330) \\ \hline \end{array}$	$ \begin{array}{c} 1 \\ 136.5 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 1 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 136.5 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 1 \\ 0 \end{array} $	$ \begin{array}{c c} \hline 1 \\ \hline 05 & P_C 4_2 \\ \hline 4_{\frac{1}{2} \frac{1}{2} \frac{1}{2}}^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	i 0 0 0 1 0 1 ssification i 0 0		$\begin{array}{c} 0 \\ \hline 1 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ 0 \\$	$ \begin{array}{c} 3\overline{3} \\ = z'_{4P} \\ \hline g^{100}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c} 3\overline{3}00 \\ Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm_{(2)}^{110} \\ 4\overline{4} \\ \overline{2}2 \end{array} $	$   \begin{array}{r}     4\overline{4} \\     \overline{22} \\     2\overline{2} \\     \overline{11} \\     2\overline{2}   \end{array} $
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline                                $	weak (440) (220) (000) (110) (220) (330)  weak (444) (222) (000)	$ \begin{array}{c} 1 \\ 136.5 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 1 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} \hline 1 \\ \hline 05 & P_C 4_2 / \\ \hline 4_{\frac{1}{2} \frac{1}{2} \frac{1}{2}}^{201} \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c c} \hline  1 \\ \hline  mnm & Cla \\ \hline  2^{110}_{\frac{1}{2}\frac{1}{2}0}* \\ \hline  0 \\  0 \\ \hline  1 \\ \hline  0 \\  1 \\ \hline  mnm & Clas \\ \hline  2^{100}_{*}* \\ \hline  0 \\  0 \\ \hline  0 \\ \hline  0 $	i 0 0 0 1 1 0 1 ssification i 0 0 0 0 0		$ \begin{array}{c c} 0 \\ \hline 4^{001}_{12} \\ \hline 4^{001}_{\frac{1}{2} \frac{1}{2} \frac{1}{2}} \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 1 \\ 0 \\ \hline 4^{001}_{1} * \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 3\overline{3} \\ = z'_{4P} \\ \hline g^{100}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ = z'_{4P} \\ \hline Cm^{001}_{(4)} \\ 4\overline{400} \\ 0000 \\ 0000 \end{array} $	$ \begin{array}{r} 3\overline{3}00 \\ Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \\ \hline Cm_{(2)}^{1\overline{1}0} \\ 4\overline{4} \\ \overline{2}2 \\ 2\overline{2} \end{array} $	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ \overline{11} \\ 2\overline{2} \end{array} $
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline  & \\  & \\ 0 \\ 0 \\ 0 \\ 3 \\ \end{array} $	$\begin{array}{c} \text{weak} \\ \hline (440) \\ (220) \\ (000) \\ (110) \\ (220) \\ \hline (330) \\ \hline \end{array}$ $\begin{array}{c} \text{weak} \\ \hline (444) \\ (222) \\ \hline (000) \\ \hline (111) \\ \hline \end{array}$	$ \begin{array}{c} 1 \\ 136.5 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 1 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{array} $ $ \begin{array}{c} 136.5 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c c} \hline 1 \\ \hline 05 & P_C 4_2 / \\ \hline 4_{\frac{1}{2},\frac{1}{2},\frac{1}{2}}^{001} \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	i 0 0 0 1 0 1 ssification i 0 0 0 1		$ \begin{array}{c} 0 \\ 3S = \mathbb{Z}_4  SI = \frac{1}{4^{001}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}} \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ S = \mathbb{Z}_4  SI = \frac{1}{4^{001}} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 3\overline{3} \\ = z'_{4P} \\ g^{100}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ = z'_{4P} \\ Cm^{001}_{(4)} \\ 4\overline{4}00 \\ 0000 \\ 0000 \\ 1\overline{1}00 \end{array} $	$ \begin{array}{r} 3\overline{3}00 \\ Cm^{001}_{(4)} \\ 4\overline{4}00 \\ 0000 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \\ \hline Cm^{1\overline{1}0}_{(2)} \\ 4\overline{4} \\ \overline{2}2 \\ 2\overline{2} \\ 1\overline{1} \end{array} $	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ \overline{11} \\ 2\overline{2} \end{array} $
$ \begin{array}{c c} 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline                                $	$\begin{array}{c} \text{weak} \\ \hline (440) \\ (220) \\ (000) \\ \hline (110) \\ (220) \\ \hline (330) \\ \\ \hline \end{array}$ $\begin{array}{c} \text{weak} \\ \hline (444) \\ (222) \\ \hline (000) \\ \hline (111) \\ \hline (222) \\ \end{array}$	$ \begin{array}{c} 1 \\ 136.5 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 1 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 136.5 \\ \{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}* \\ 1 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $	$ \begin{array}{c c} \hline 1 \\ \hline 05 & P_C 4_2 / \\ \hline 4_{\frac{1}{2} \frac{1}{2} \frac{1}{2}}^{201} \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c c} \hline  1 \\ \hline  mnm & Cla \\ \hline  2^{110}_{\frac{1}{2}\frac{1}{2}0}* \\ \hline  0 \\  0 \\ \hline  1 \\ \hline  0 \\  1 \\ \hline  mnm & Clas \\ \hline  2^{100}_{*}* \\ \hline  0 \\  0 \\ \hline  0 \\ \hline  0 $	i 0 0 0 1 1 0 1 ssification i 0 0 0 0 0		$ \begin{array}{c c} 0 \\ \hline 4^{001}_{12} \\ \hline 4^{001}_{\frac{1}{2} \frac{1}{2} \frac{1}{2}} \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 1 \\ 0 \\ \hline 4^{001}_{1} * \end{array} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 3\overline{3} \\ = z'_{4P} \\ \hline g^{100}_{00\frac{1}{2}} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c} 3\overline{3}00 \\ Cm_{(4)}^{001} \\ 4\overline{4}00 \\ 0000 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \end{array} $ $ \begin{array}{c} Cm_{(2)}^{1\overline{1}0} \\ 4\overline{4} \\ \overline{2}2 \\ 2\overline{2} \\ 1\overline{1} \\ 2\overline{2} $	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ \overline{11} \\ 2\overline{2} \end{array} $
$ \begin{array}{c c} 0 \\ 0 \\ 0 \\ 3 \\ 2 \\ 1 \\ \hline  & \\  & \\ 0 \\ 0 \\ 0 \\ 3 \\ \end{array} $	$\begin{array}{c} \text{weak} \\ \hline (440) \\ (220) \\ (000) \\ (110) \\ (220) \\ \hline (330) \\ \hline \end{array}$ $\begin{array}{c} \text{weak} \\ \hline (444) \\ (222) \\ \hline (000) \\ \hline (111) \\ \hline \end{array}$	$ \begin{array}{c} 1 \\ 136.5 \\ \{1 \frac{1}{2}\frac{1}{2}0\}* \\ 1 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{array} $ $ \begin{array}{c} 1 \\ 1 \\ 1 \\ 2 \\ 2 \\ 2 \\ 3 \\ 4 \\ 1 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{array} $	$ \begin{array}{c c} 1 \\ 05 P_C 4_2 \\ \hline 4_{\frac{101}{2}\frac{1}{2}\frac{1}{2}}^{00} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	i 0 0 0 1 0 1 ssification i 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		$ \begin{array}{c} 0 \\ \hline 3S = \mathbb{Z}_4 & SI = \\ \hline 4_{\frac{101}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2}} \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ S = \mathbb{Z}_4 & SI = \\ \hline 4^{001} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 3\overline{3} \\ = z'_{4P} \\ \hline g^{100}_{000\frac{1}{2}}* \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ = z'_{4P} \\ \hline Cm^{001}_{(4)} \\ \hline 4\overline{4}00 \\ 0000 \\ 0000 \\ \hline 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \\ \end{array}$	$ \begin{array}{r} 3\overline{3}00 \\ Cm^{001}_{(4)} \\ 4\overline{4}00 \\ 0000 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \\ \hline Cm^{1\overline{1}0}_{(2)} \\ 4\overline{4} \\ \overline{2}2 \\ 2\overline{2} \\ 1\overline{1} \end{array} $	$ \begin{array}{r} 4\overline{4} \\ \overline{22} \\ 2\overline{2} \\ \overline{11} \\ 2\overline{2} \end{array} $

	1	4001	o100		0110	<del>4</del> 001	110	C 100		
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{100}_{\frac{1}{2}00}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{rac{1}{2}0rac{1}{2}}$	$g_{00\frac{1}{2}}^{1\overline{10}}$	$Cm_{(2)}^{100}$		
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	$1\overline{1}00$		
				nm'c Cla	ssification	$= \mathbb{Z}_2$ $X_{\mathbb{R}}$	$_{\mathrm{SS}} = \mathbb{Z}_2  \mathrm{SI} =$	$z'_{2P}$		
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}00}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{110}$			
0	(000)	0	0	0	0	0	0			
1	(000)	1	1	1	0	0	1			
		137.	511 P4' <sub>2</sub> /	nmc' Clas	ssification =	$=\mathbb{Z}_{M}$ $X_{1}$	$_{\mathrm{BS}} = \mathbb{Z}_2  \mathrm{SI} =$	$z'_{2D}$		
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}0^{\frac{1}{2}}}*$	$2^{100}_{\frac{1}{2}00}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\frac{\overline{4^{001}_{\frac{1}{2}0^{\frac{1}{2}}}}}$	$g_{00\frac{1}{2}}^{110}*$	$Cm_{(2)}^{100}$		
0	(000)	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	$\frac{\frac{1}{2}00}{0}$	0	$\frac{\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	$00\frac{1}{2}$	$\frac{1}{2\overline{2}00}$		
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)	137.5			ssification :		$S = \mathbb{Z}_2$ $SI =$			
	**** 1*			<i>i</i> *	ollo			$z_{2,S_4}$		
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}00}$		$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$g_{00\frac{1}{2}}^{110}$			
0	(000)	0	0	0	0	0	0			
1	(000)	1	0	0	1	1	1			
			$P4_2/nm'c'$		tion = $\mathbb{Z} \times$	$\mathbb{Z}_2$ $X_{BS}$	$=\mathbb{Z}_{2,2}$ SI $=$ 2	$z_{2,S_4}, z_{4C}/2$		
$\mathbb{Z}_{2,2}$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{100}_{\frac{1}{2}00}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$g_{00\frac{1}{2}}^{1\overline{10}}*$			
00	(000)	0	0	0	0	0	0			
00	(004)	2	0	0	0	0	2			
01	(002)	1	1	1	0	0	1			
10	(000)	0	1	1	1	1	0			
11	(002)	1	0	0	1	1	1			
		137.5	$14 P4_2'/n$	'mc' Clas	sification =	$=\mathbb{Z}_{M}$ $X_{\mathrm{B}}$	$_{\mathrm{BS}} = \mathbb{Z}_2  \mathrm{SI} =$	$z_{2,S_4}$		
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}00}*$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$g_{00\frac{1}{2}}^{1\overline{10}}*$	$Cm_{(0)}^{100}$		
0	(000)	0	$\frac{\frac{1}{2}00}{0}$	0	$\frac{\overline{2}\ \overline{2}\ \overline{2}}{0}$	$0^{\frac{\overline{2}}{2}0}$	$\frac{00\frac{1}{2}}{0}$	$2\overline{200}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}00$		
1	(000)	1	1	0	0	1	0	$1\overline{1}00$		
	/	137.	516 P <sub>0</sub> 4 <sub>2</sub> ,	nmc Clas	ssification =	$= \mathbb{Z}_M - X_1$	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ $\mathrm{SI}=% \mathrm{SI}_{2}$	: 2' -		
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{4^{001}}{4^{001}}*$	$\frac{2^{100}_{\frac{1}{2}00}}{2^{100}_{\frac{1}{2}00}}$	$\frac{i}{i}$	$\frac{2^{110}}{2^{110}_{\frac{1}{2}\frac{1}{2}0}}*$	$\frac{4001}{1200}$ *	$\frac{\sim_{2P}}{m_{1\bar{1}0}*}$	$Cm_{(2)}^{100}$	
0	$(00\bar{2})$	1	$\frac{\frac{1}{2}00}{0}$	$\frac{-\frac{1}{2}00}{0}$	0	$\frac{-\frac{1}{2}\frac{1}{2}0}{0}$	$\frac{1}{2}00$	0	$\frac{2\overline{200}}{2\overline{200}}$	
0	(002)	0	0	0	0	0	0	0	$\frac{2200}{2\overline{2}00}$	
1	$(000)$ $(00\bar{1})$	1	1	0	1	1	0	0	$\frac{2200}{1\overline{1}00}$	
	(001)	1971	1 717 D 4		:C - +:	777 V				
77	1700 lr	137.5	$\frac{1}{4001}$	1110		$= \angle M X$	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ $_{\overline{4}001}$ $_{\mathrm{J}_{4}}$	$\frac{z_{2P}}{C_{m}^{010}}$		
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{110}_{00\frac{1}{2}}*$	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{\frac{1}{2}00}*$	$\frac{4001}{0\frac{1}{2}\frac{1}{2}}*$	$Cm_{(2)}^{010}$		
0	$(\bar{2}\bar{2}0)$	1	0	0	0	0	0	$2\overline{2}00$		
0	(000)	0	0	0	0	0	0	$2\overline{2}00$		
1	$(\bar{1}\bar{1}0)$	1	0	1	0	1	0	1100		
					ssification =	$=\mathbb{Z}_M$ $X_1$	$_{\mathrm{BS}} = \mathbb{Z}_2  \mathrm{SI} =$	$z'_{2P}$	010	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$4_{0\frac{1}{2}0}^{001}*$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}*$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$g_{\frac{1}{2}\frac{1}{2}0}^{110}*$	$Cm_{(2)}^{010}$	
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0	0	0	$2\overline{2}00$	
0	(000)	0	0	0	0	0	0	0	$2\overline{2}00$	
1	$(\bar{1}\bar{1}\bar{1})$	1	1	1	0	0	1	0	$1\overline{1}00$	
		138.	$519 P4_2/$	ncm Clas	sification =	$=\mathbb{Z}_M$ $X_{\mathrm{E}}$	$_{\mathrm{SS}}=\mathbb{Z}_{2} \mathrm{SI}=% \left( \mathbb{Z}_{2}\right) \left$	$z'_{2P}$		
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}$	i	$2^{110}_{rac{1}{2}rac{1}{2}0}$	$\bar{4}^{001}_{rac{1}{2}0rac{1}{2}}$	$Cm_{(2)}^{110}$			
0	(000)	0	$\frac{\overline{2}0\overline{2}}{0}$	0	$\frac{\overline{2}\overline{2}\overline{0}}{0}$	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.	522 P4' <sub>2</sub> /	nc'm Clas	ssification =	$=\mathbb{Z}_{M}$ $X_{1}$	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ $\mathrm{SI}=% \mathrm{SI}_{2}$	$z'_{0D}$		
		100.	~ <b></b> 2/	CIA		<i></i> <sub>1V1</sub>	صد∠ کـــ در	$\sim_{2P}$		

$\overline{\mathbb{Z}_2}$	weak	4001 Jr	2100 4	i	2110	7001 ,,	$C_{m}^{110}$		
		$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}*$		$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$Cm_{(2)}^{110}$		
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$		
$\frac{0}{1}$	(000)	0 1	0	0	0	0	$\frac{22}{1\overline{1}}$		
	(000)								
	1						$S = \mathbb{Z}_2$ $SI =$	$z'_{2P}$	
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$m_{1\bar{1}0}*$		
0	(000)	0	0	0	0	0	0		
1	(000)	1	0	1	1	0	0		
			$\frac{24 P4_2'/r}{100}$	n'c'm Clas	sification =	$= \mathbb{Z}_M \times_{B}$	$_{\mathrm{S}}=\mathbb{Z}_{2}$ $\mathrm{SI}=$	$z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$4^{001}_{rac{1}{2}0rac{1}{2}}*$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{001}_{rac{1}{2}0rac{1}{2}}$	$Cm_{(0)}^{110}$		
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	11		
		138.525 F	$P4_2/nc'm'$	Classificat	$zion = \mathbb{Z} \times \mathbb{Z}$	$\mathbb{Z}_2$ $X_{\mathrm{BS}}$ =	$=\mathbb{Z}_{2,2}$ $\mathrm{SI}=$	$z_{2,S_4}, z_{4C}/2$	
$\mathbb{Z}_{2,2}$	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		
10	(000)	0	1	1	1	1	0		
11	(002)	1	1	0	0	1	0		
		138.5		n'cm' Cla			$S = \mathbb{Z}_2$ $SI =$	$z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{2}0\frac{1}{2}}*$	$2^{100}_{\frac{1}{2}0\frac{1}{2}}*$	i*	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$\bar{4}^{001}_{\frac{1}{2}0\frac{1}{2}}$	$m_{1\bar{1}0}*$		
0	(000)	0	0	0	0	0	0		
1	(000)	1	1	0	0	1	0		
		138.	$528 P_c 4_2$	/ncm Clas	ssification =	$= \mathbb{Z}_M  X_{\mathrm{E}}$	$_{\mathrm{SS}}=\mathbb{Z}_{2}$ $\mathrm{SI}=% \mathrm{SI}_{2}$	$=z_{2P}^{\prime}$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$4^{001}_{\frac{1}{2}00}*$	$2^{100}_{\frac{1}{2}00}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}$	$\bar{4}^{001}_{\frac{1}{2}00}*$	$Cm_{(2)}^{1\bar{1}0}$	
0	$(00\bar{2})$	1	0	0	0	0	0	$2\overline{2}$	
0	(000)	0	0	0	0	0	0	$2\overline{2}$	
1	$(00\bar{1})$	1	1	1	1	0	0	$1\overline{1}$	
		138.5	$529 P_C 4_2$	/ncm Cla	ssification	$=\mathbb{Z}_M$ $X_{\mathrm{H}}$	$_{\mathrm{BS}}=\mathbb{Z}_{2}$ $\mathrm{SI}=% \mathrm{SI}_{2}$	$=z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{\frac{1}{2}0\frac{1}{2}}$	2110 *	$i_{\frac{1}{2}\frac{1}{2}0}*$	$2^{010}_{\frac{1}{2}0^{\frac{1}{2}}}*$	$\bar{4}^{001}_{0\frac{1}{2}\frac{1}{2}}*$	$g_{\frac{1}{2}0\frac{1}{2}}^{100}$	$Cm_{(2)}^{110}$
0	(220)	1	$\frac{\frac{\overline{2}}{\overline{2}}}{0}$	0	0	$\frac{\overline{2}0\overline{2}}{0}$	$\frac{0\overline{2}\overline{2}}{0}$	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	$\frac{2\overline{2}}{2\overline{2}}$
0	(000)	0	0	0	0	0	0	0	$\frac{-\overline{2}}{2\overline{2}}$
1	(110)	1	0	1	0	1	0	1	$1\overline{1}$
		138.	$530 P_1 4_2$	/ncm Clas	ssification :	$= \mathbb{Z}_M - X_F$	$_{\mathrm{SS}}=\mathbb{Z}_{2}$ $\mathrm{SI}=% \mathrm{SI}_{2}$	$= z'_{op}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{4^{001}}{4^{01}}*$	$\frac{2^{100}_{0\frac{1}{2}0}*}{2^{100}_{0\frac{1}{2}0}}$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\frac{2^{110}_{N}}{2^{\frac{1}{2}\frac{1}{2}0}}$	$\frac{4001}{4_{\frac{1}{2}0\frac{1}{2}}^{001}}$	$Cm_{(2)}^{110}$	
0	$(\bar{2}\bar{2}\bar{2})$	1	$0\frac{1}{2}0$	0 2 0	$\frac{\overline{2}\ \overline{2}\ \overline{2}}{0}$	$\frac{1}{2}\frac{1}{2}0$	$0^{\frac{1}{2}0\frac{1}{2}}$	$\frac{(2)}{2\overline{2}}$	
0	(000)	0	0	0	0	0	0	$\frac{22}{2\overline{2}}$	
1	$(\overline{1}\overline{1}\overline{1})$	1	1	1	0	0	1	11	
			.531 14/2	mmm Cla		$=\mathbb{Z}_{M}^{3}$ $X_{T}$	$_{\mathrm{BS}}=\mathbb{Z}_{8}$ SI =		
$\mathbb{Z}_8$	weak	$4^{001}$	$\frac{2^{100}}{2^{100}}$	$\frac{i}{i}$	$\frac{2^{110}}{2^{110}}$	$\frac{-2M}{4^{001}}$	$\frac{Cm_{(2)}^{010}}{Cm_{(2)}^{010}}$	$\frac{-28}{Cm_{(4)}^{001}}$	$Cm_{(2)}^{110}$
0	(000)	0	0	0	0	0	88	$\frac{88}{8}$	88
0	(000)	0	0	0	0	0	$\frac{\overline{2}2}{\overline{2}}$	$\frac{36}{44}$	$\frac{36}{44}$
0	(000)	0	0	0	0	0	$\frac{22}{22}$	00	$\frac{1}{2}$ 2
0	(000)	0	0	0	0	0	$\frac{-}{44}$	$\frac{3}{4}$	$\frac{-}{2}2$
3	(000)	0	0	1	0	1	1 <u>1</u>	11	1 <del>1</del>
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 <u>5</u>
2	(000)	0	0	0	0	0	$6\overline{6}$	$6\overline{6}$	$\overline{66}$

	(000)	0	0	1	0	1	77	$7\overline{7}$	$7\overline{7}$	
	(000)	1								
		$\frac{139.5}{4^{001}*}$	$\frac{534  I4'/m}{2^{100}*}$	$\frac{nm'm}{i}$ Cla	$\frac{1}{2}$	$= \mathbb{Z}_{M}^{2}$ $\bar{4}^{001}*$	$X_{BS} = \mathbb{Z}_4$ SI =	$= z'_{4P}$		
$\mathbb{Z}_4$	weak						$Cm_{(2)}^{001}$	$Cm_{(2)}^{1\bar{1}0}$		
0	(000)	0	0	0	0	0	44	$\frac{4\overline{4}}{\overline{2}}$		
0	(000)	0	0	0	0	0	00	$\overline{2}2$		
0	(000)	0	0	0	0	0	00	$2\overline{2}$		
3	(000)	1	1	1	0	0	$1\overline{1}$	11		
2	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}$		<b> </b>
1	(000)	1	1	1	0	0	$3\overline{3}$	$3\overline{3}$		!
		139.5	$\overline{535}$ $I4'/n$	<i>ımm′</i> Cla	ssification	$=\mathbb{Z}_{M}^{2}$	$X_{BS} = \mathbb{Z}_4$ SI =	$=z'_{4P}$		
$\mathbb{Z}_4$	weak	4 <sup>001</sup> *	$2^{100}$	i	$2^{110}*$	$\frac{70}{4}$	$m_{1\bar{1}0}*$	$Cm_{(2)}^{010}$	$Cm_{(2)}^{001}$	
0	(000)	0	0	0	0	0	0	44	$4\overline{4}$	
0	(000)	0	0	0	0	0	0	$2\overline{2}$	00	I
0	(000)	0	0	0	0	0	0	$\overline{2}2$	00	
3	(000)	1	0	1	1	0	0	11	$1\overline{1}$	
2	(000)	0	0	0	0	0	0	$\frac{1}{2\overline{2}}$	$\frac{2\overline{2}}{2}$	
1	(000)	1	0	1	1	0	0	$\frac{22}{3\overline{3}}$	$\frac{22}{3\overline{3}}$	
	(000)	_								
	1	$\frac{139.53}{4^{001}*}$	$\frac{36  14'/m'}{2^{100}}$		$\frac{\text{ssification}}{2^{110}*}$	$\frac{=\mathbb{Z}_M}{\bar{4}^{001}}$	$X_{BS} = \mathbb{Z}_2 SI =$	$= z_{2,S_4}$		
$\mathbb{Z}_2$	weak	_		<i>i</i> *			$Cm_{(0)}^{1\bar{1}0}$			
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	$1\overline{1}$			
		139.537 I4/	$\overline{/mm'm'}$	Classificati	$\overline{\text{on}} = \mathbb{Z}_M \times$	$\overline{\mathbb{Z}}$ $X_{B}$	$S = \mathbb{Z}_{4,4}$ $SI = 1$	$\frac{-}{z_{4m,87}^+, z_{4m,8'}^-}$	<del></del> 7	
$\overline{\mathbb{Z}_{4,4}}$	weak	4001	$2^{100}*$	i	2110*	$\bar{4}^{001}$	$\frac{m_{1\bar{1}0}*}{m_{1\bar{1}0}}$	$Cm_{(4)}^{001}$	1	
00	$(44\bar{4})$	0	0	0	0	0	0	44		
00	(000)	0	0	0	0	0	0	$\frac{11}{4\overline{4}}$		
00	(000)	0	0	0	0	0	0	00		
01	(000)	0	1	1	1	1	0	$\frac{00}{1\overline{1}}$		
02	(000)	0	0	0	0	0	0	$\frac{11}{2\overline{2}}$		
$\frac{02}{03}$	(000)	0	1	1	1	1	0	$\frac{22}{3\overline{3}}$		
10	$(11\bar{1})$	0	0	0	0	0	0			
11	$(11\overline{1})$ $(11\overline{1})$	0	1	1	1	1	0	20		
$\frac{11}{12}$			0	0	0	0	0	$\frac{20}{3\overline{1}}$		
	$(11\overline{1})$	0								
13	$(11\overline{1})$	0	1	1	1	1	0	$4\overline{2}$		
20	$(22\overline{2})$	0	0	0	0	0	0	22		
21	$(22\overline{2})$	0	1	1	1	1	0	31		
22	$(22\overline{2})$	0	0	0	0	0	0	40		
23	$(22\overline{2})$	0	1	1	1	1	0	$\frac{5\overline{1}}{2}$		
30	$(33\bar{3})$	0	0	0	0	0	0	33		
31	$(33\bar{3})$	0	1	1	1	1	0	42		
32	$(33\bar{3})$	0	0	0	0	0	0	51		
33	$(33\bar{3})$	0	1	1	1	1	0	60		
		139.53	$\overline{38}$ $I4'/m'$	mm' Cla	ssification :	$=\mathbb{Z}_{M}$	$X_{BS} = \mathbb{Z}_2$ SI =	$= z_{2,S_4}$		
$\overline{\mathbb{Z}_2}$	weak	$4^{001}*$	$2^{100}*$	i*	$2^{110}$	$\bar{4}^{001}$	$m_{1\bar{1}0}*$	$Cm_{(0)}^{010}$		
0	(000)	0	0	0	0	0	0	$\frac{\overline{22}}{2}$		
0	(000)	0	0	0	0	0	0	$\frac{-2}{2\overline{2}}$		
1	(000)	1	1	0	0	1	0	1 <u>1</u>		
	(000)	139.		mmm Cla						
777	1r		$\frac{.540  I_c 4/7}{4^{001}}$	$\frac{mmm}{2^{110}}$ C18		$=\mathbb{Z}_{M}^{\circ}$ $2^{010}$	$\frac{X_{BS} = \mathbb{Z}_8}{\overline{4}^{001}} \text{ SI} :$		<u></u>	<u> </u>
$\mathbb{Z}_8$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$		_	$\frac{i}{2}$			$Cm_{(2)}^{110}$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{100}$
0	(888)	1	0	0	0	0	0	8 <del>8</del>	88	88
0	(444)	0	0	0	0	0	0	$\frac{\overline{2}2}{\overline{a}}$	$\overline{4}4$	$\frac{\overline{4}4}{\overline{3}}$
0	(222)	0	0	0	0	0	0	$\frac{\overline{2}2}{\overline{2}}$	00	$\overline{2}2$
0	(444)	0	0	0	0	0	0	$\overline{4}4$	$\overline{4}4$	$\overline{2}2$

3	$(\overline{1}\overline{1}\overline{1})$	1	0	0	1	0	1	11	$1\overline{1}$	$1\overline{1}$
6	$(\overline{2}\overline{2}\overline{2})$	1	0	0	0	0	0	$\frac{11}{2\overline{2}}$	$\frac{11}{2\overline{2}}$	$\frac{11}{2\overline{2}}$
1	$(\overline{3}\overline{3}\overline{3})$	1	0	0	1	0	1	$\frac{22}{3\overline{3}}$	$\frac{22}{3\overline{3}}$	$\frac{22}{3\overline{3}}$
4	$(\overline{4}\overline{4}\overline{4})$	1	0	0	0	0	0	$\frac{35}{4\overline{4}}$	$\frac{35}{4\overline{4}}$	$\frac{35}{4\overline{4}}$
$\frac{4}{7}$	(555)	1	0	0	1	0	1	$\frac{44}{55}$	$\frac{44}{55}$	$\frac{44}{5\overline{5}}$
$\frac{1}{2}$	$(\overline{6}\overline{6}\overline{6})$	1	0	0	0	0	0	$\frac{55}{66}$	$\frac{55}{66}$	$\frac{\overline{66}}{6}$
	\ /			0				$\frac{66}{77}$	$\frac{66}{77}$	$\frac{66}{77}$
5	$(\bar{7}\bar{7}\bar{7})$	1	0		1	0	1		11	
			$.541  ext{ } I4/m$	cm Class	sification =	$\mathbb{Z}_M^2$ $X_{BS}$	$=\mathbb{Z}_4$ SI $=z$	(4m,0)		
$\mathbb{Z}_4$	weak	$4^{001}$	$2^{100}_{00\frac{1}{2}}$	i	$2^{110}_{00\frac{1}{2}}$	$\bar{4}^{001}$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{110}$		
0	(000)	0	0	0	0 2	0	$4\overline{4}$	$4\overline{4}$		
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	11	$1\overline{1}$		
2	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}$		
1	(000)	0	0	1	0	1	$3\overline{3}$	$3\overline{3}$		
	. /			mc'm Class	ssification =	$= \mathbb{Z}_{2}^{2}$ $= \mathbb{Y}_{2}$	$_{\mathrm{BS}} = \mathbb{Z}_4$ $\mathrm{SI} =$			
$\overline{\mathbb{Z}_4}$	weak	$4^{001}*$	$\frac{2^{100}}{2^{00\frac{1}{2}}}*$	$\frac{nem}{i}$	$\frac{2^{110}_{00\frac{1}{2}}}{2^{110}_{00\frac{1}{2}}}$	$\frac{- Z_M \Lambda_1}{4^{001}}$	$\frac{28 - 24  51 - Cm_{(2)}^{001}}{}$	$\frac{z_{4P}}{Cm_{(2)}^{110}}$		
0	(000)	0	0	0	0	0	$4\overline{4}$	$\frac{4\overline{4}}{\overline{2}}$		
0	(000)	0	0	0	0	0	00	$\overline{22}$		
0	(000)	0	0	0	0	0	00	$2\overline{2}$		
3	(000)	1	1	1	0	0	$1\overline{1}$	1 <u>1</u>		
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	.545  I4'/r	ncm' Cla	ssification =	$= \mathbb{Z}_M  X_{\mathbb{F}}$	$_{\mathrm{BS}} = \mathbb{Z}_4  \mathrm{SI} =$	$z'_{4P}$		
$\mathbb{Z}_4$	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	0	0	$\frac{0}{0}$	0	0	44		
0	(000)	0	0	0	0	0	0	00		
3	(000)	1	0	1	1	0	0	11		
2	(000)	0	0	0	0	0	0	$2\overline{2}$		
1	(000)	1	0	1	1	0	0	$3\overline{3}$		
	( /	140.	546 IA'/m	l'c'm Clas	esification -	- 7. x X.	$_{\mathrm{SS}} = \mathbb{Z}_2  \mathrm{SI} =$			
$\overline{\mathbb{Z}_2}$	weak	4001*	<b>9</b> 100	<i>i</i> *	2110 <sub>4</sub>	$\frac{-2M}{4001}$	$\frac{SS - Z_2 - SI - Cm_{(0)}^{110}}{Cm_{(0)}^{110}}$	$z_{2,S_{4}}$		
			$-00\frac{1}{2}$		$2^{110}_{00\frac{1}{2}}*$		` /			
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$			
0	(000)	0	0	0	0	0	$2\overline{2}$			
1	(000)	1	0	0	1	1	11			
				Classification	on = $\mathbb{Z}_M \times$		$=\mathbb{Z}_{4,4}$ $\mathrm{SI}=z$	$^{+}_{4m,87}, z_{4m,87}^{-}$		
$\mathbb{Z}_{4,4}$	weak	$4^{001}$	$2^{100}_{00\frac{1}{2}}*$	i	$2^{110}_{00\frac{1}{2}}*$	$\bar{4}^{001}$	$g_{00\frac{1}{2}}^{1\overline{10}}*$	$Cm_{(4)}^{001}$		
00	$(\bar{4}\bar{4}4)$	0	0	0	0	0	$\frac{60_2}{4}$	44		
00	(000)	0	0	0	0	0	0	$4\overline{4}$		
00	(000)	0	0	0	0	0	0	00		
01	(000)	0	1	1	1	1	0	11		
02	(000)	0	0	0	0	0	0	$2\overline{2}$		
03	(000)	0	1	1	1	1	0	33		
10	$(\overline{1}\overline{1}1)$	0	1	0	1	0	<u> </u>	11		
11	$(\overline{1}\overline{1}1)$	0	0	1	0	1	<u>1</u>	20		
12	$(\overline{1}\overline{1}1)$	0	1	0	1	0	1	31		
13	$(\overline{1}\overline{1}1)$	0	0	1	0	1	1	$4\overline{2}$		
20	$(\overline{2}\overline{2}2)$	0	0	0	0	0	$\bar{2}$	22		
21	$(\overline{2}\overline{2}2)$	0	1	1	1	1	$\bar{2}$	31		
22	$(\overline{2}\overline{2}2)$	0	0	0	0	0	$\bar{2}$	40		
23	$(\overline{2}\overline{2}2)$	0	1	1	1	1	$\bar{2}$	51		
30	$(\bar{3}\bar{3}3)$	0	1	0	1	0	3	33		
31	$(\bar{3}\bar{3}3)$	0	0	1	0	1	3	42		
	_ \ -/									

32	$(\bar{3}\bar{3}3)$	0	1	0	1	0	7	51		
$\frac{32}{33}$	(333) $(333)$	0	0	1	0	1	$\frac{3}{3}$	60		
	(555)	_				V	$S = \mathbb{Z}_2$ SI =			
$\mathbb{Z}_2$	weak	$4^{001}*$		i*	2110	$\frac{= \mathbb{Z}_2  \Lambda_{BS}}{4001}$		$z_{2,S_4}$		
		- '	$2^{100}_{00\frac{1}{2}}*$	-	$2^{110}_{00\frac{1}{2}}$	•	$g_{00\frac{1}{2}}^{1\overline{10}}*$			
0	(000)	0	0	0	0	0	0			
1	(000)	_	-			•		<u> </u>		
	,		$\frac{550 I_c 4/n}{4001}$	ncm Class	$\frac{\text{sification}}{\cdot} =$	$\frac{\mathbb{Z}_{M}^{2}  X_{BS}}{2^{010}*}$	$=\mathbb{Z}_4$ SI $=$		α 001	α 1 <u>1</u> 0
$\mathbb{Z}_4$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}$	2 <sup>110</sup> *	i		$\bar{4}^{001}$	$m_{100}*$	$Cm_{(4)}^{001}$	$Cm_{(2)}^{1\bar{1}0}$
0	(444)	1	0	0	0	0	0	0	$4\overline{4}$	$\frac{4\overline{4}}{\overline{2}}$
0	$(\bar{2}\bar{2}\bar{2})$	0	0	0	0	0	0	0	00	$\frac{\overline{2}2}{2\overline{2}}$
$\frac{0}{3}$	(000)	0	0	$\frac{0}{1}$	$\frac{0}{1}$	0	$\frac{0}{1}$	0	$\frac{00}{1\overline{1}}$	$\frac{2\overline{2}}{1\overline{1}}$
$\frac{3}{2}$	(222)	1	0	0	0	0	0	0	$\frac{11}{2\overline{2}}$	$\frac{11}{2\overline{2}}$
$\frac{2}{1}$	(333)	1	0	1	1	1	1	0	$\frac{22}{3\overline{3}}$	$\frac{22}{3\overline{3}}$
	(555)									
	**** 1.		$\frac{.551  I4_{1/}}{2^{100}}$	$\frac{ama}{i}$ Clas	$\frac{\text{ssification}}{2110}$		$S = \mathbb{Z}_2$ SI =			
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{4}\frac{\bar{1}}{4}\frac{1}{4}}$	<u>-</u>		$2^{110}_{\frac{1}{4}\bar{\frac{1}{4}}\frac{1}{4}}$	$ar{4}^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}$	$g^{110}_{rac{1}{4}rac{1}{4}rac{ar{1}}{4}}$	$Cm_{(2)}^{010}$		
0	(000)	0	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$		
0	(000)	0	0	0	0	0	0	$\frac{2\overline{2}}{1\overline{1}}$		
1	(000)	0	0	1	0	1	1	11		
					ssification :		$S = \mathbb{Z}_2$ $SI =$	$z'_{2P}$		
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$2^{100}*$	i	$2^{110}_{\frac{1}{4}\overline{\frac{1}{4}}\frac{1}{4}}$	$\bar{4}^{001}_{\frac{1}{4}\bar{1}\frac{1}{4}}*$	$g^{1\overline{1}0}_{rac{1}{4}rac{1}{4}rac{1}{4}}$			
0	(000)	0	0	0	0	0	0			
1	(000)	1	1	1	0	0	1			
			$.555  I4'_1/c$	amd' Clas	ssification =	$= \mathbb{Z}_M  X_{\mathrm{B}}$	$S = \mathbb{Z}_2$ $SI =$			
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$2^{100}$	i	$2^{110}_{\frac{1}{4}\frac{\bar{1}}{4}\frac{1}{4}}*$	$\bar{4}^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}*$	$g^{1\bar{1}0}_{\frac{1}{4},\frac{1}{4},\bar{1}}*$	$Cm_{(2)}^{010}$		
0	(000)	0	0	0	0	0	0	$\overline{2\overline{2}}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}$		
1	(000)	1	0	1	1	0	0	$1\overline{1}$		
		141.	$556 I4'_1/a$	a'm'd Cla	ssification =	$= \mathbb{Z}_2  X_{BS}$	$=\mathbb{Z}_2$ $SI=$	$z_{2,S_4}$		
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{4}\overline{\frac{1}{4}}\frac{1}{4}}*$	$2^{100}$	i*	$2^{110}_{\frac{1}{4}\overline{1}\frac{1}{4}\frac{1}{4}}*$	$\bar{4}^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}$	$g^{110}_{rac{1}{4}rac{1}{4}rac{ar{1}}{4}}$	,		
0	(000)	0	0	0	$\frac{\overline{4} \overline{4} \overline{4}}{0}$	$\frac{\overline{4} \overline{4} \overline{4}}{0}$	$\frac{\overline{4}\ \overline{4}\ \overline{4}}{0}$			
1	(000)	1	0	0	1	1	1			
		141.557	$I4_1/am'd'$	Classifica	$ation = \mathbb{Z} \times \mathbb{Z}$	$\mathbb{Z}_2$ $\mathbb{X}_{BS}$	$=\mathbb{Z}_{2,2}$ SI =	= Z2 S., Z2D		
$\overline{\mathbb{Z}_{2,2}}$	weak	$4^{001}_{\frac{1}{4}\underline{\bar{1}}\frac{1}{4}}$	2 <sup>100</sup> *	i	$2^{110}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$\frac{\bar{4}^{001}_{\frac{1}{4}\bar{4}\frac{1}{4}}}{\bar{4}^{1}\bar{4}^{1}}$	$g_{\frac{1}{4}\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{110}*$	**2,54,**2P		
00	$(\overline{444})$	$\frac{\frac{1}{4}\frac{1}{4}\frac{1}{4}}{2}$	0	0	$\frac{2\frac{1}{4}\frac{1}{4}\frac{1}{4}}{0}$	$\frac{\frac{1}{4}\frac{1}{4}\frac{1}{4}}{0}$	$\frac{9\frac{1}{4}\frac{1}{4}\frac{1}{4}}{2}$			
00	$(444)$ $(44\bar{4})$	2	0	0	0	0	$\frac{2}{2}$			
01	$(22\bar{2})$	1	1	1	0	0	$\frac{2}{1}$			
10	$(\overline{2}\overline{2}2)$	1	0	0	1	1	1			
11	(000)	0	1	1	1	1	0			
	/	141.	558 I4' <sub>1</sub> /a	'md' Clas	sification =	$=\mathbb{Z}_{M}$ $X_{D}$	$S = \mathbb{Z}_2$ $SI =$	: Z <sub>2</sub> S <sub>4</sub>		
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{4}\bar{1}\frac{1}{4}}*$	$\frac{2^{100}*}{}$	$\frac{i*}{i}$	$2^{110}_{\frac{1}{4}\bar{\frac{1}{4}}\frac{1}{4}}$	$\frac{\bar{4}^{001}_{1\bar{4}^{\bar{1}}_{\bar{4}^{\bar{1}}_{\bar{4}}}}}{4^{10}}$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}*$	$Cm_{(0)}^{010}$		
$\frac{22}{0}$	(000)	$\frac{1}{4}\frac{1}{4}\frac{1}{4}$	0	0	$\frac{\frac{2}{4}\frac{1}{4}\frac{1}{4}}{0}$	$\frac{\frac{1}{4}\frac{1}{4}\frac{1}{4}}{0}$	$\frac{g_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}}{0}$	$\frac{2\overline{2}}{2}$		
0	(000)	0	0	0	0	0	0	$\frac{22}{2\overline{2}}$		
$\frac{0}{1}$	(000)	1	1	0	0	1	0	$\frac{2z}{1\overline{1}}$		
	(300)				ssification =		$S = \mathbb{Z}_2$ SI =			
$\overline{\mathbb{Z}_2}$	weak			2110 v			$\frac{S - \omega_2}{\sqrt{1001}}$ $\frac{S_1 = 0}{1001}$	$\frac{z_{2P}}{Cm_{(2)}^{010}}$		
		$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$4^{001}_{\frac{\bar{1}}{4}\frac{1}{4}\frac{1}{4}}*$	$2\frac{110}{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$i_{00\frac{1}{2}}*$	$2^{010}_{\frac{1}{2}00}*$	$\bar{4}^{001}_{\frac{1}{4},\frac{1}{4},\frac{1}{4}}$			
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$		
$\frac{0}{1}$	$\begin{array}{c c} (000) \\ \hline (\overline{1}\overline{1}\overline{1}) \end{array}$	0	0	0	0	0	0	$\frac{22}{1\overline{1}}$		
	(111)			<del>-</del>		-				
		14	2.501 14 <sub>1</sub>	/aca Clas	ssincation =	$= \mathbb{Z}_2  \mathbf{X}_{\mathrm{BS}}$	$=\mathbb{Z}_2$ SI $=$	$z_{2P}$		

	1	4001	2100		2110	7001	110		
$\mathbb{Z}_2$	weak	$4^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}$	$2^{100}_{00\frac{1}{2}}$	i	$2^{110}_{rac{ar{1}}{4}rac{1}{4}rac{1}{4}}$	$ar{4}^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}$	$g_{rac{1}{4}rac{1}{4}rac{1}{4}}^{110}$		
0	(000)	0	0	0	0	0	0		
1	(000)	0	0	1	0	1	1		
		14:	$2.564 I4'_{1}$	/ac'd Cla	ssification =	$=\mathbb{Z}_2$ $X_{BS}$	$=\mathbb{Z}_2$ SI =	$=z'_{2P}$	
$\mathbb{Z}_2$	weak	$4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$2^{100}_{00\frac{1}{2}}*$	i	$2^{110}_{rac{ar{1}}{4}rac{1}{4}rac{1}{4}}$	$\bar{4}^{001}_{rac{1}{4}rac{1}{4}rac{1}{4}}*$	$g^{110}_{rac{1}{4}rac{1}{4}rac{1}{4}}$		
0	(000)	0	$00^{\frac{1}{2}}$	0	0	0	0		
1	(000)	1	1	1	0	0	1		
	(000)					$=\mathbb{Z}_2$ $X_{BS}$		_ ~!	
$\overline{\mathbb{Z}_2}$	weak		$\frac{2.000  14_{1}}{2000}$	$\frac{i}{i}$	$\frac{2^{110}_{\bar{1}}}{2^{11}_{\bar{1}}}*$	$\frac{-\mathbb{Z}_2}{\sqrt{1001}}$ ABS	$\frac{-  \mathbb{Z}_2   \mathbb{S}_1  -  \mathbb{Z}_2}{a^{110}   \mathbb{Z}_2}$	- ~2P	
		$4^{001}_{rac{1}{4}rac{1}{4}rac{1}{4}}*$	$2^{100}_{00\frac{1}{2}}$		4 4 4	$\bar{4}^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$g_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{110}*$		
0	(000)	0	0	0	0	0	0		
1	(000)	1	0	1	1	0	0		
			$.566 I4'_1/$			$=\mathbb{Z}_2$ $X_{BS}$		$= z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$4^{001}_{rac{1}{4}rac{1}{4}rac{1}{4}}*$	$2^{100}_{00\frac{1}{2}}$	i*	$2\frac{110}{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$ar{4}^{001}_{rac{1}{4}rac{ar{1}}{4}rac{1}{4}}$	$g^{1\overline{1}0}_{rac{1}{4}rac{1}{4}rac{1}{4}}$		
0	(000)	0	0	0	0	0	0		
1	(000)	1	0	0	1	1	1		
		142.567	$I4_1/ac'd'$	Classifica	$ation = \overline{\mathbb{Z}} \times$	$\mathbb{Z}_2$ $X_{\mathrm{BS}}$ =	$=\mathbb{Z}_{2,2}$ SI =	$=z_{2,S_4},\overline{z'_{2P}}$	
$\overline{\mathbb{Z}_{2,2}}$	weak	$4^{001}_{rac{1}{4}rac{1}{4}rac{1}{4}}$	$2^{100}_{00\frac{1}{2}}*$	i	$2\frac{110}{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$\bar{4}^{001}_{rac{1}{4}rac{1}{4}rac{1}{4}}$	$g_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{1\overline{10}}*$	21	
00	$(44\bar{4})$	$\frac{\frac{1}{4}\frac{1}{4}\frac{1}{4}}{2}$	$00^{\frac{1}{2}}$	0	0	$\frac{1}{4} \frac{1}{4} \frac{1}{4}$	$\frac{2}{2}$		
00	(444)	$\frac{2}{2}$	0	0	0	0	$\frac{2}{2}$		
01	$(\overline{2}\overline{2}2)$	1	1	1	0	0	1		
10	$(22\overline{2})$	1	0	0	1	1	1		
11	(000)	0	1	1	1	1	0		
		142	$.568 I4'_{1}/$	a'cd' Clas	ssification =	$=\mathbb{Z}_2$ $X_{BS}$	$=\mathbb{Z}_2$ SI =	= 22.54	
$\overline{\mathbb{Z}_2}$	weak	$4^{001}_{rac{1}{4}rac{1}{4}rac{1}{4}}*$	$2^{100}_{00\frac{1}{2}}*$	i*	$2^{110}_{rac{ar{1}}{4}rac{1}{4}rac{1}{4}}$	$\frac{\bar{4}^{001}_{\frac{1}{4}\bar{4}\frac{1}{4}}}{\bar{4}^{001}_{\frac{1}{4}\bar{4}}}$	$g_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{1\overline{10}}*$	2,04	-
0	(000)	$\frac{\frac{1}{4}\frac{1}{4}\frac{1}{4}}{0}$	00 -	0	$\frac{\frac{1}{4}\frac{1}{4}\frac{1}{4}}{0}$	$\frac{\frac{1}{4}\frac{1}{4}\frac{1}{4}}{0}$	$\frac{0\bar{4}\bar{4}\bar{4}\bar{4}}{0}$		
1	(000)	1	1	0	0	1	0		
	(000)		2 570 <i>I 1</i> .		ssification =		$=\mathbb{Z}_2$ SI =	_ ~'	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}0\}*$	$\frac{4001}{4001}$ *	$\frac{2^{110}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}}{2^{110}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}}$	$i_{00\frac{1}{2}}*$	$\frac{-22}{2_{\frac{1}{2}00}^{010}}$	$\frac{-22}{4^{001}} \frac{51}{4^{\frac{1}{4}}} \frac{1}{4^{\frac{1}{4}}}$	$\frac{-z_{2P}}{g_{00\frac{1}{2}}^{100}}$	
			$4^{001}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$		$\frac{000\frac{1}{2}}{0}$	$\frac{-\frac{1}{2}00}{0}$			
$\frac{0}{1}$	$\begin{array}{c c} (\bar{2}\bar{2}\bar{2}) \\ \hline (\bar{1}\bar{1}\bar{1}) \end{array}$	1 1	0	0	0	0	$\frac{0}{1}$	$\frac{0}{1}$	
	(111)	1							
	1	3 <sup>001</sup>	143.1 P	'3 Classifi	ication = $\mathbb{Z}$	$X_{BS} = \mathbb{Z}$	$_{3}$ SI = $z_{30}$	7	
$\frac{\mathbb{Z}_3}{0}$	weak (002)	0							
$\frac{0}{2}$	$(00\overline{3})$ $(00\overline{1})$	0							
$\frac{2}{1}$	$(001)$ $(00\bar{2})$	0							
	(002)	147.1	13 <i>P</i> 3 C	llaggificatio	n – 7 v 7	$X_{BS} = \mathbb{Z}$	CT _ ~	~	
7.0.4	weak	3001	$\frac{13}{i}$	assilicatio	$\Pi = \mathbb{Z} \times \mathbb{Z}_2$	$\Lambda_{ m BS}=\mathbb{Z}$	51 = 2	$6C, z_{4P}$	
$\frac{\mathbb{Z}_{6,4}}{00}$	$(00\overline{6})$	0	0						
00	(000)	0	0						
02	(000)	0	1						
50	$(00\bar{1})$	0	0						
52	$(00\bar{1})$	0	1						
40	$(00\overline{2})$	0	0						
42	$(00\bar{2})$	0	1						
30	$(00\bar{3})$	0	0						
32	$(00\bar{3})$	0	1						 
20	$(00\bar{4})$	0	0						
22	$(00\bar{4})$	0	1						
10	$(00\bar{5})$	0	0						
12	$(00\bar{5})$	0	1						 
			147.16 P	$c\overline{3}$ Classif	$ication = \mathbb{Z}$	$X_{\rm BS} = X_{\rm BS}$	$\mathbb{Z}_2$ $\overline{\mathrm{SI}} = z$	2P	

$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	3 <sup>001</sup>	i
$\frac{\omega_2}{0}$	(002)	$\frac{1100\overline{2}f^*}{1}$	0	0
1	(001)	1	0	1
	1 ( ' /	148.1		$\overline{z}$ sification = $\mathbb{Z} \times \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_{2,4}$ $SI = z_{2P,3}, z_{4P}$
$\overline{\mathbb{Z}_{2,4}}$	weak	$\frac{3^{001}}{3^{001}}$	i	
$\frac{22,4}{00}$	(222)	0	0	
00	(000)	0	0	
02	(000)	0	1	
10	(111)	0	0	
12	(111)	0	1	
			$148.20 R_{I}\bar{3}$	Classification = $\mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$ $SI = z'_{2P}$
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$3^{001}$	i
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0
1	$(\bar{1}\bar{1}\bar{1})$	1	0	1
			9.23 P312'	Classification = $\mathbb{Z} \times \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_3$ $SI = z_{3C}$
$\mathbb{Z}_3$	weak	$3^{001}$	$2^{120}*$	
0	$(00\bar{3})$	0	0	
0	(000)	0	1	
2	$(00\bar{1})$	0	0	
1	$(00\bar{2})$	0	0	
	1	$\frac{150}{3^{001}}$	$0.27 P32'1$ $2^{100}*$	Classification = $\mathbb{Z} \times \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_3$ $SI = z_{3C}$
$\frac{\mathbb{Z}_3}{0}$	(003)		$\frac{2^{100}*}{0}$	
0	(000)	0	<u>0</u> 1	
$\frac{0}{1}$	(000)	0	0	
2	(001)	0	0	
	( ( ) = )			1 Classification = $\mathbb{Z}$ $X_{BS} = \mathbb{Z}_3$ $SI = z_{3C}$
$\overline{\mathbb{Z}_3}$	weak	3001	$\frac{150.51 + 5m}{m_{\bar{2}10}*}$	2 11 <sub>D5</sub> - 23 01 - 230
0	$(00\bar{3})$	0	0	
2	$(00\overline{1})$	0	0	
1	$(00\bar{2})$	0	0	
			${157.55} P31m$	Classification = $\mathbb{Z}$ $X_{BS} = \mathbb{Z}_3$ $SI = z_{3C}$
$\mathbb{Z}_3$	weak	$3^{001}$	$m_{010}*$	
0	$(00\bar{3})$	0	0	
2	$(00\overline{1})$	0	0	
1	$(00\bar{2})$	0	0	
			158.59  P3c'1	Classification = $\mathbb{Z}$ $X_{BS} = \mathbb{Z}_3$ $SI = z_{3C}$
$\mathbb{Z}_3$	weak	$3^{001}$	$g_{00\frac{1}{2}}^{210}*$	
0	$(00\bar{6})$	0	3	
1	$(00\bar{2})$	0	1	
2	$(00\bar{4})$	0	$\bar{2}$	
			159.63  P31c	Classification = $\mathbb{Z}$ $X_{BS} = \mathbb{Z}_3$ $SI = z_{3C}$
$\mathbb{Z}_3$	weak	$3^{001}$	$g_{00\frac{1}{2}}^{010}*$	
0	(006)	0	3	
2	(002)	0	1	
1	(004)	0	2	
			$62.73  P\bar{3}1m$	Classification = $\mathbb{Z}_M$ $X_{BS} = \mathbb{Z}_2$ $SI = z'_{2P}$
$\mathbb{Z}_2$	weak	$3^{001}$	$2^{120}$	$i   Cm_{(2)}^{100}$
0	(000)	0	0	$0   2\overline{2}$
0	(000)	0	0	$0   2\overline{2}$
1	(000)	0	0	1 11
		162.77	$P\bar{3}1m'$ Cl	assification = $\mathbb{Z} \times \mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_{6,4}$ $SI = z_{6C}, z_{4P}$

77	weak	3001	2 <sup>120</sup> *	i				
$\mathbb{Z}_{6,4}$								
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				
	(000)				+: 77	V 77 CI	/	
	1	10	$\frac{3001}{3001}$	$\frac{31m}{2^{120}}$ Classin	$\frac{\text{cation} = \mathbb{Z}_{N}}{\cdot}$	$X_{\rm BS} = \mathbb{Z}_2$ SI =	$z_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$		<u>-</u>		$Cm_{\underline{(2)}}^{100}$		_
0	(002)	1	0	0	0	$2\overline{2}$		
0	(000)	0	0	0	0	$2\overline{2}$		
1	(001)	1	0	0	1	$1\overline{1}$		
		1	63.79 P	$\overline{231c}$ Classifie	$cation = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$ $SI = 2$	$z'_{2D}$	
$\mathbb{Z}_2$	weak	3001	$2^{120}_{00\frac{1}{2}}$	$\frac{i}{i}$		DD -2 ~2 /	<u> 4</u>	
0	(000)	0	0	0				
1	(000)	0	0	1				
		163.83	$P\bar{3}1c'$ (	Classification	$=\mathbb{Z} imes\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_{3,4}$ $SI = z_6$	$s_{C,\pi}/2, z_{4P}$	_
$\mathbb{Z}_{3,4}$	weak	$3^{001}$	$2^{120}_{00\frac{1}{2}}*$	i		·	-	
00	$(00\bar{6})$	0	$\frac{00_{\overline{2}}}{1}$	0				
00	(000)	0	0	0				
02	(000)	0	1	1				
20	$(00\bar{2})$	0	1	0				
22	$(00\bar{2})$	0	0	1				
10	$(00\bar{4})$	0	0	0				
12	$(00\bar{4})$	0	1	1				
		1	$63.84 P_{c}$	$c\overline{3}1c$ Classifi	cation = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$ $SI =$	$z_{2P}'$	
$\mathbb{Z}_2$	weak	$\{1 00\frac{1}{2}\}*$	$3^{001}$	$2^{120}*$	i	·	21	
0	$(00\bar{2})$	1	0	0	0			
1	$(00\bar{1})$	1	0	1	1			
	(001)			1 Cl:C	1: 77	V 77 CI	./	
F77	1	$\frac{10}{3^{001}}$	$\frac{64.85 P_3^{-1}}{2^{100}}$		$cation = \mathbb{Z}_{N}$	$X_{BS} = \mathbb{Z}_2  SI = \mathbb{Z}_2$	$z_{2P}$	
$\mathbb{Z}_2$	weak	-		i	$Cm_{(2)}^{110}$			
0	(000)	0	0	0	$2\overline{2}$			
0	(000)	0	0	0	$2\overline{2}$			
1	(000)	0	0	1	$1\overline{1}$			
		164.89	$P\bar{3}m'1$	Classification	$on = \mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_{6,4}$ $SI =$	$z_{6C}, z_{4P}$	
$\mathbb{Z}_{6,4}$	weak	3001	$2^{100}*$	$\frac{i}{i}$		20 -0,4 21	30 / - 41	
$\frac{226,4}{00}$	(006)	0	0	0				
00	(000)	0	0	0				
02	(000)	0	1	1				
10	(000)	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	(004)	0	0	0			
$\frac{-50}{52}$	(005)	0	1	1			
	(000)				fication — 7	$\mathbb{Z}_M  \mathrm{X}_{\mathrm{BS}} = \mathbb{Z}_2  \mathrm{SI} = z_{2P}'$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{1.50 - 1_{c}}{3^{001}}$	$\frac{2^{100}}{2^{100}}$	$\frac{i}{i}$	$\frac{\omega_M - \kappa_{BS} - \omega_2 - \omega_1 - z_{2P}}{Cm_{(2)}^{110}}$	
0	$(00\overline{2})$	1	0	0	0	$\frac{27}{22}$	
0	(002)	0	0	0	0	$\frac{22}{2\overline{2}}$	
1	(000) $(001)$	1	0	0	1	1 <u>1</u>	
	(001)		$\frac{0}{65.91}$ P		$ication = \mathbb{Z}$		
$\overline{\mathbb{Z}_2}$	weak	3001	$\frac{00.91}{2_{00\frac{1}{2}}^{100}}$	$\frac{i}{i}$		$\mathbb{Z}_2$ $\mathbb{A}_{BS} = \mathbb{Z}_2$ $\mathbb{S}_1 = \mathbb{Z}_{2P}$	
		_	$\frac{2_{00\frac{1}{2}}}{0}$				
$\frac{0}{1}$	(000)	0	0	<u>0</u> 1			
	(000)				77 77	V 77 OI /0	
77	weak	$\frac{165.95}{3^{001}}$	$\frac{P3c}{2^{100}}$		$= \mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_{3,4}  SI = z_{6C,\pi}/2, z_{4P}$	
$\mathbb{Z}_{3,4}$			$2^{100}_{00\frac{1}{2}}*$	$\frac{i}{2}$			
00	(006)	0	1	0			
00	(000)	0	0	0			
02	(000)	0	1	1			
$\frac{10}{12}$	(002)	0	0	$\frac{0}{1}$			
$\frac{12}{20}$	(002)	0	0	0			
$\frac{20}{22}$	(004)	0	1	1			
	(001)				figntion = 7	$\mathbb{Z}_2$ $X_{BS} = \mathbb{Z}_2$ $SI = z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 00\frac{1}{2}\}*$	$\frac{3001}{3001}$	$\frac{2^{100}*}{}$	$\frac{110011011 - 2}{i}$	$\underline{z}_2$ ABS $-\underline{z}_2$ SI $-\underline{z}_{2P}$	
$\frac{2}{0}$	$(00\overline{2})$	$\frac{1}{1}$	0	0	0		
1	(001)	1	0	1	1		
	(001)		66.97 R	<del>-</del>	antion - 7	$\mathbb{Z}_M  \mathrm{X}_{\mathrm{BS}} = \mathbb{Z}_2  \mathrm{SI} = z_{2P}'$	
$\overline{\mathbb{Z}_2}$	weak	3001	$\frac{2^{100}}{2^{100}}$	$\frac{i}{i}$	$\frac{Cation = Z}{Cm_{(2)}^{210}}$	$Z_M - A_{BS} - Z_2 - S_1 - Z_{2P}$	
$\frac{\mathbb{Z}_2}{0}$	(000)	0	0	0	$\frac{Cm_{(2)}}{2\overline{2}}$		
0	(000)	0	0	0	$\frac{22}{2\overline{2}}$		
1	(000)	0	0	1	$\frac{22}{1\overline{1}}$		
	(000)	166.101	$R\bar{3}m'$			$\mathbb{Z}_2  \mathbf{X}_{\mathrm{BS}} = \mathbb{Z}_{2,4}  \mathrm{SI} = z_{2P,3}, z_{4P}$	
$\mathbb{Z}_{2,4}$	weak	3001	$\frac{n_{3}m}{2^{100}*}$	i	$D\Pi = \mathbb{Z} \times \mathbb{Z}$	$\mathbb{Z}_2$ $\mathbb{A}_{\mathrm{BS}} = \mathbb{Z}_{2,4}$ $\mathbb{S}_1 = \mathbb{Z}_{2P,3}, \mathbb{Z}_{4P}$	
$\frac{22,4}{00}$	$(\bar{2}\bar{2}\bar{2})$	0	$\frac{2}{0}$	0			
00	(000)	0	0	0			
02	(000)	0	1	1			
10	$(\overline{1}\overline{1}\overline{1})$	0	0	0			
12	$(\overline{1}\overline{1}\overline{1})$	0	1	1			
	/	16	6.102 R	$\sqrt{3}m$ Classi	fication = 2	$\mathbb{Z}_M  \mathrm{X}_{\mathrm{BS}} = \mathbb{Z}_2  \mathrm{SI} = z_{2P}'$	
$\overline{\mathbb{Z}_2}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$3^{001}$	$\frac{2^{100}}{2^{100}}$	$\frac{i}{i}$	$\frac{-m}{Cm_{(2)}^{210}}$	
$\frac{-2}{0}$	$(\overline{2}\overline{2}\overline{2})$	1	0	0	0	$\frac{2}{22}$	
0	(000)	0	0	0	0	$\frac{2\overline{2}}{2\overline{2}}$	
1	$(\overline{1}\overline{1}\overline{1})$	1	0	0	1	11	
			67.103	$R\bar{3}c$ Classif	$ication = \mathbb{Z}$	$\mathbb{Z}_2  \mathrm{X}_{\mathrm{BS}} = \mathbb{Z}_2  \mathrm{SI} = z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	3001	$2^{100}_{00\frac{1}{2}}$	$\frac{i}{i}$		2 DO -2 ~- ~2P	
$\frac{-2}{0}$	(000)	0	$\frac{-00\frac{1}{2}}{0}$	0			
1	(000)	0	0	1			
	(000)		$.107 R\bar{3}$		ation - 7	$\times \mathbb{Z}_2  X_{\mathrm{BS}} = \mathbb{Z}_4  \mathrm{SI} = z_{4P}$	
$\overline{\mathbb{Z}_4}$	weak	3001	$\frac{107 \text{ hs}}{2_{00\frac{1}{2}}^{100}*}$	$\frac{c}{i}$	au1011 = Z /	$\wedge \omega_2$ $\Lambda_{BS} - \omega_4$ $\Omega_1 = z_4 p$	
0	(000)	0	0	0			
$\frac{0}{2}$	(222)	0	1	0			
	(000)				C 1 · · · · ·	77 V 77 CI /	
		10	01.108 F	n <sub>I</sub> sc Classi	meation = 2	$\mathbb{Z}_2  X_{BS} = \mathbb{Z}_2  SI = z'_{2P}$	

	1	(4 111)	× 3 <sup>001</sup>		100 <sub>*</sub>					
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}$ *		- 2		$\frac{i}{0}$				
$\frac{0}{1}$	(222) (111)	1 1	0		1	0				
	(111)	1		Da			F77	37 77	CI	
	1	$6^{001}$	168.109	P6	Class	ification =	= Z	$X_{BS} = \mathbb{Z}_6$	$SI = z_{6C}$	
$\mathbb{Z}_6$	weak	_								
	$(00\bar{6})$ $(00\bar{1})$	0								
$\frac{5}{4}$	$(001)$ $(00\bar{2})$	0								
3	$(002)$ $(00\bar{3})$	0								
$\frac{3}{2}$	$(00\overline{4})$	0								
1	$(00\overline{5})$	0								
	(000)		171.121	De	Class	sification :	77	V 7/	CI	
$\overline{\mathbb{Z}_2}$	weak	6001	1/1.121	<i>F</i> 02	Class	sincation :	— <i>[</i> ]	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$S1 = z_{2C}$	
		$\frac{6_{00\frac{1}{3}}^{001}}{\bar{2}}$								
0	$(00\bar{6})$									_
1	$(00\bar{3})$	1								
		2001	172.125	$P6_4$	Class	sification :	$=\mathbb{Z}$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2C}$	
$\mathbb{Z}_2$	weak	$6^{001}_{00\frac{2}{3}}$								
0	$(00\bar{6})$	$\bar{4}$								
1	$(00\bar{3})$	$\bar{2}$								
			173.129	$P6_3$	Class	sification :	$=\mathbb{Z}$	$X_{BS} = \mathbb{Z}_3$	$SI = z_{3C}$	
$\mathbb{Z}_3$	weak	$\frac{6_{00\frac{1}{2}}^{001}}{\bar{3}}$						·		
0	$(00\bar{6})$	3	,							
1	$(00\bar{2})$	Ī								
2	$(00\bar{4})$	$\bar{2}$								
		174.133	$\overline{P\bar{6}}$ Class	ificati	on = Z	$\mathbb{Z}^2_M \times \mathbb{Z}$	$X_{BS}$	$= \mathbb{Z}_{3,3,3}$ Si	$I = z_{3m,0}^+, z_{3m,0}^-, z_{3m,\pi}^+$	
$\mathbb{Z}_{3,3,3}$	weak	$\bar{6}^{001}$	$Cm_{(3)}^{001}$			171		-,-,-	oni,o oni,o oni,n	
000	$(00\bar{6})$	1	$390\overline{6}$							
000	(003)	1	0303							
000	(000)	1	$003\overline{3}$							
000	(000)	1	$00\overline{3}3$							
001	(000)	1	$001\overline{1}$							
002	(000)	0	$002\overline{2}$							
010	(001)	1	0101							
011	(001)	0	0110							
012	(001)	1	$012\overline{1}$							
020	(002)	0	0202							
021	(002)	1	0211							
022	(002)	0	$\frac{0220}{1\overline{3}0\overline{2}}$							
100	$(00\bar{2})$ $(00\bar{2})$	0	$\frac{1302}{1\overline{3}1\overline{3}}$							
$\frac{101}{102}$	$(002)$ $(00\bar{2})$	1	$\frac{1313}{1\overline{3}2\overline{4}}$							
$\frac{102}{110}$	$(002)$ $(00\bar{1})$	0	$\frac{1324}{1\overline{2}0\overline{1}}$							
111	$(001)$ $(00\bar{1})$	1	$\frac{1201}{1\overline{2}1\overline{2}}$							
$\frac{111}{112}$	$(001)$ $(00\bar{1})$	0	$\frac{1\overline{2}1\overline{2}}{1\overline{2}2\overline{3}}$							
120	(000)	1	$\frac{1220}{1\overline{1}00}$							
121	(000)	0	1111							_
122	(000)	1	$1\overline{1}2\overline{2}$							
200	$(00\bar{4})$	0	$2\overline{6}0\overline{4}$							
201	$(00\bar{4})$	1	$2\overline{6}1\overline{5}$							
202	$(00\bar{4})$	0	$2\overline{6}2\overline{6}$							
210	$(00\overline{3})$	1	$2\overline{5}0\overline{3}$							
211	$(00\bar{3})$	0	$2\overline{5}1\overline{4}$							
212	$(00\bar{3})$	1	$2\overline{5}2\overline{5}$							

220	$(00\bar{2})$	0	$2\overline{4}0\overline{2}$						
221	$(00\bar{2})$	1	$2\overline{4}1\overline{3}$						
222	$(00\bar{2})$	0	$2\overline{4}2\overline{4}$						
		17	4.136 F	$c_{c}\bar{6}$ Classif	ication = 2	$\mathbb{Z}_M$ $X_{\mathrm{BS}} =$	$=\mathbb{Z}_3$ SI	$=z_{3m,0}^{+}$	
$\mathbb{Z}_3$	weak	$\{1 00\frac{1}{2}\}*$	$\bar{6}^{001}$	$Cm_{(3)}^{001}$		25		5111,0	
0	$(00\bar{3})$	1	1	$\frac{3\overline{3}00}{3}$					
0	(002)	0	0	0000					
1	$(00\overline{1})$	1	1	$\frac{\overline{1100}}{1100}$					
2	$(00\bar{2})$	1	0	$\frac{1100}{2\overline{2}00}$					
	\ /				rn? rn	37 577	CIT	+ -	+
F77		75.137 P6		ssification =	$= \mathbb{Z}_M^2 \times \mathbb{Z}$	$X_{BS} = \mathbb{Z}_{6,6}$	$_{6,6}$ S1 =	$z_{6m,0}^+, z_{6m,0}^-$	$,z_{6m,\pi}$
$\mathbb{Z}_{6,6,6}$	weak	$6^{001}$	i	$Cm_{(6)}^{001}$					
000	$(00\bar{30})$	0	0	$6, \overline{36}, 0, \overline{36}$	)				
000	(006)	0	0	0606					
000	(000)	0	0	$006\overline{6}$					
000	(000)	0	0	0066					
001	(000)	0	1	$001\overline{1}$					
002	(000)	0	0	$002\overline{2}$					
003	(000)	0	1	$003\overline{3}$					
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	$024\overline{2}$					
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	$034\overline{1}$					
035	(003)	0	0	$035\overline{2}$					
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					
051	(005)	0	0	0514					
052	(005)	0	1	0523					
053	(005)	0	0	0532					
054	(005)	0	1	0541					
055	(005)	0	0	0550					
100	$(00\bar{5})$	0	0	$1\overline{6}0\overline{5}$					
101	$(00\bar{5})$	0	1	$1\overline{6}1\overline{6}$					
102	$(00\bar{5})$	0	0	$1\overline{6}2\overline{7}$					
103	$(00\bar{5})$	0	1	$1\overline{6}3\overline{8}$					
		•							

	T ( <del>T</del> ) T			
104	$(00\bar{5})$	0	0	$1\overline{6}4\overline{9}$
105	$(00\bar{5})$	0	1	$1, \overline{6}, 5, \overline{10}$
110	$(00\bar{4})$	0	1	$1\overline{5}0\overline{4}$
111	$(00\bar{4})$	0	0	$1\overline{5}1\overline{5}$
112	$(00\bar{4})$	0	1	$1\overline{5}2\overline{6}$
113	$(00\overline{4})$	0	0	$1\overline{5}3\overline{7}$
114	$(00\bar{4})$	0	1	$\frac{1548}{1548}$
	/ /			$\frac{1548}{1\overline{5}5\overline{9}}$
115	$(00\bar{4})$	0	0	
120	$(00\bar{3})$	0	0	$1\overline{4}0\overline{3}$
121	$(00\bar{3})$	0	1	$1\overline{4}1\overline{4}$
122	$(00\bar{3})$	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	$(00\bar{3})$	0	1	$\frac{1458}{1458}$
130	$(00\bar{2})$	0	1	$\frac{1456}{1\overline{3}0\overline{2}}$
131	$(00\bar{2})$	0	0	$1\overline{3}1\overline{3}$
132	$(00\bar{2})$	0	1	$1\overline{3}2\overline{4}$
133	$(00\bar{2})$	0	0	$1\overline{3}3\overline{5}$
134	$(00\bar{2})$	0	1	$1\overline{3}4\overline{6}$
135	$(00\overline{2})$	0	0	$1\overline{3}5\overline{7}$
140	$(00\bar{1})$	0	0	$1\overline{2}0\overline{1}$
141	(001)	0	1	$\frac{1\overline{2}1\overline{2}}{1\overline{2}1\overline{2}}$
$\frac{141}{142}$	$(001)$ $(00\bar{1})$	0	0	$\frac{1\overline{2}1\overline{2}}{1\overline{2}2\overline{3}}$
	/			$\frac{1223}{1\overline{2}3\overline{4}}$
143	$(00\overline{1})$	0	1	
144	$(00\bar{1})$	0	0	$1\overline{2}4\overline{5}$
145	$(00\bar{1})$	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	$\frac{1133}{1133}$
154	(000)	0	1	$\frac{1133}{1\overline{1}4\overline{4}}$
155	(000)	0	0	$\frac{1144}{1\overline{1}5\overline{5}}$
	· /			
200	(0010)	0	0	$2, \overline{12}, 0, \overline{10}$
201	$(00\bar{10})$	0	1	$2, \overline{12}, 1, \overline{11}$
202	$(00\bar{10})$	0	0	$2, \overline{12}, 2, \overline{12}$
203	(0010)	0	1	$2, \overline{12}, 3, \overline{13}$
204	(0010)	0	0	$2, \overline{12}, 4, \overline{14}$
205	(0010)	0	1	$2, \overline{12}, 5, \overline{15}$
210	$(00\bar{9})$	0	1	$2, \overline{11}, 0, \overline{9}$
211	(009) $(009)$	0	0	$2,\overline{11},0,\overline{9}$ $2,\overline{11},1,\overline{10}$
	/			
212	$(00\bar{9})$	0	1	$2,\overline{11},2,\overline{11}$
213	$(00\bar{9})$	0	0	$2, \overline{11}, 3, \overline{12}$
214	$(00\bar{9})$	0	1	$2, \overline{11}, 4, \overline{13}$
215	$(00\bar{9})$	0	0	$2, \overline{11}, 5, \overline{14}$
220	$(00\bar{8})$	0	0	$2, \overline{10}, 0, \overline{8}$
221	(008)	0	1	$2,\overline{10},1,\overline{9}$
222	(008)	0	0	$2, \overline{10}, 2, \overline{10}$
$\frac{222}{223}$	(008) $(008)$	0		$2, \overline{10}, 2, \overline{10}$ $2, \overline{10}, 3, \overline{11}$
7.7.5	(008) $(008)$		1	
		0	0	$2, \overline{10}, 4, \overline{12}$
224		^	1	$2, \overline{10}, 5, \overline{13}$
$\frac{224}{225}$	(008)	0		
$   \begin{array}{r}     224 \\     \hline     225 \\     \hline     230   \end{array} $	(008) $(007)$	0	1	$2\overline{9}0\overline{7}$
$\frac{224}{225}$	(008)			$\frac{2\overline{9}0\overline{7}}{2\overline{9}1\overline{8}}$
224 225 230	(008) $(007)$	0	1	
224 225 230 231 232	$\begin{array}{c c} (00\overline{8}) \\ (00\overline{7}) \\ (00\overline{7}) \\ (00\overline{7}) \\ (00\overline{7}) \end{array}$	0 0 0	1 0 1	$\frac{2\overline{9}1\overline{8}}{2\overline{9}2\overline{9}}$
224 225 230 231	$ \begin{array}{c c} (008) \\ (007) \\ (007) \end{array} $	0	1 0	$2\overline{9}1\overline{8}$

235	$(00\bar{7})$	0	0	$2, \overline{9}, 5, \overline{12}$	
240	$(00\bar{6})$	0	0	$2\overline{8}0\overline{6}$	
241	$(00\bar{6})$	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	$270\overline{5}$	
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	$2\overline{7}4\overline{9}$	
255	$(00\overline{5})$	0	0	$2, \overline{7}, 5, \overline{10}$	
300	(0015)	0	0	$3, \overline{18}, 0, \overline{15}$	
301	(0015)	0	1	$3, \overline{18}, 1, \overline{16}$	
302	(0015)	0	0	$3, \overline{18}, 2, \overline{17}$	
303	(0015)	0	1	$3, \overline{18}, 3, \overline{18}$	
304	(0015)	0	0	$3, \overline{18}, 4, \overline{19}$	
305	(0015)	0	1	$3, \overline{18}, 5, \overline{20}$	
310	(0014)	0	1	$3, \overline{17}, 0, \overline{14}$	
311	(0014)	0	0	$3, \overline{17}, 1, \overline{15}$	
312	(0014)	0	1	$3, \overline{17}, 2, \overline{16}$	
313	(0014)	0	0	$3, \overline{17}, 3, \overline{17}$	
314	(0014)	0	1	$3, \overline{17}, 4, \overline{18}$	
315	(0014)	0	0	$3, \overline{17}, 5, \overline{19}$	
320	(0013)	0	0	$\frac{3,\overline{16},0,\overline{13}}{3,\overline{16},0,\overline{13}}$	
321	(0013)	0	1	$\frac{3,\overline{16},\overline{17},\overline{14}}{3,\overline{16},\overline{17},\overline{14}}$	
322	(0013)	0	0	$\frac{3,\overline{16},\overline{17},\overline{17}}{3,\overline{16},\overline{2},\overline{15}}$	
323	(0013)	0	1	$\frac{3,\overline{16},\overline{2},\overline{16}}{3,\overline{16},\overline{3},\overline{16}}$	
324	$(00\bar{1}3)$	0	0	$\frac{3,\overline{16},\overline{4,\overline{17}}}{3,\overline{16},\overline{4,\overline{17}}}$	
325	(0013)	0	1	$\frac{3,\overline{16},\overline{1,17}}{3,\overline{16},\overline{5},\overline{18}}$	
330	$(00\bar{1}3)$	0	1	$\frac{3,\overline{15},\overline{0},\overline{12}}{3,\overline{15},0,\overline{12}}$	
331	(0012)	0	0	$\frac{3,\overline{15},\overline{17},\overline{13}}{3,\overline{15},\overline{17},\overline{13}}$	
332	(0012) $(0012)$	0	1	$\frac{3, 15, 1, 15}{3, \overline{15}, 2, \overline{14}}$	
333	(0012) $(0012)$	0	0	$\frac{3, 15, 2, 14}{3, \overline{15}, 3, \overline{15}}$	
334	(0012) $(0012)$	0	1	$3, \overline{15}, \overline{3}, \overline{16}$ $3, \overline{15}, 4, \overline{16}$	
335	(0012) $(0012)$	0	0	$3, \overline{15}, \overline{4}, \overline{10}$ $3, \overline{15}, \overline{5}, \overline{17}$	
340	(0012)	0	0	$\frac{3, 13, 3, 17}{3, \overline{14}, 0, \overline{11}}$	
341	(0011)	0	1	$\frac{3, 14, 0, 11}{3, \overline{14}, 1, \overline{12}}$	
342	(0011)	0	0	$\frac{3, 14, 1, 12}{3, \overline{14}, 2, \overline{13}}$	
343	(0011)	0	1	$\frac{3, 14, 2, 13}{3, \overline{14}, 3, \overline{14}}$	
344	(0011)	0	0	$\frac{3,\overline{14},3,\overline{14}}{3,\overline{14},4,\overline{15}}$	
345	(0011)	0	1	$\frac{3, 14, 4, 15}{3, \overline{14}, 5, \overline{16}}$	
350	(0011)	0	1	$\frac{3,\overline{14},5,\overline{10}}{3,\overline{13},0,\overline{10}}$	
351	(0010) $(0010)$	0	0	$3, \overline{13}, 0, \overline{10}$ $3, \overline{13}, 1, \overline{11}$	
352	(0010)	0	1	$\frac{3, 13, 1, 11}{3, \overline{13}, 2, \overline{12}}$	
353	(0010) $(0010)$	0	0	$\frac{3, 13, 2, 12}{3, \overline{13}, 3, \overline{13}}$	
354	(0010) $(0010)$	0	1	$\frac{3, 13, 3, 13}{3, \overline{13}, 4, \overline{14}}$	
$\frac{354}{355}$	(0010) $(0010)$	0	0	$\frac{3, 13, 4, 14}{3, \overline{13}, 5, \overline{15}}$	
400	(0010) $(0020)$	0	0	$\frac{3, 13, 3, 13}{4, \overline{24}, 0, \overline{20}}$	
400	(0020) $(0020)$	0	1	$\frac{4,24,0,20}{4,\overline{24},1,\overline{21}}$	
401	(0020) $(0020)$	0	0	$\frac{4,24,1,21}{4,\overline{24},2,\overline{22}}$	
402	(0020) $(0020)$	0	1	$\frac{4,24,2,22}{4,\overline{24},3,\overline{23}}$	
403	(0020) $(0020)$	0	0	$\frac{4,24,3,23}{4,\overline{24},4,\overline{24}}$	
$\frac{404}{405}$	(0020) $(0020)$	0	1	$\frac{4,24,4,24}{4,\overline{24},5,\overline{25}}$	
400	(0020)	U	1	4, 24, 5, 25	

410	$(00\overline{19})$	0	1	$4, \overline{23}, 0, \overline{19}$
411	$(00\bar{19})$	0	0	$4, \overline{23}, 1, \overline{20}$
412	$(00\bar{19})$	0	1	$4, \overline{23}, 2, \overline{21}$
413	$(00\bar{19})$	0	0	$4, \overline{23}, 3, \overline{22}$
414	(0019)	0	1	$4, \overline{23}, 4, \overline{23}$
415	$(001\bar{9})$	0	0	$\overline{4,\overline{23},5,\overline{24}}$
420	(0018)	0	0	$4, \overline{22}, 0, \overline{18}$
421	(0018)	0	1	$4,\overline{22},1,\overline{19}$
422	(0018)	0	0	$4,\overline{22},2,\overline{20}$
423	(0018)	0	1	$4, \overline{22}, 3, \overline{21}$
424	(0018)	0	0	$4,\overline{22},4,\overline{22}$
425	(0018)	0	1	$\frac{-3}{4}, \frac{-2}{22}, \frac{-3}{5}, \frac{-2}{23}$
430	(0017)	0	1	$\frac{3}{4}, \frac{27}{21}, 0, \frac{75}{17}$
431	(0017)	0	0	$\frac{1}{4}, \frac{21}{21}, \frac{3}{18}$
432	(0017)	0	1	$\frac{1,21,1,10}{4,\overline{21},2,\overline{19}}$
$\frac{432}{433}$	(0017) $(0017)$	0	0	$\frac{4,21,2,10}{4,\overline{21},3,\overline{20}}$
$\frac{433}{434}$	(0017) $(0017)$	0	1	$\frac{4,21,3,20}{4,\overline{21},4,\overline{21}}$
$\frac{434}{435}$	(0017) $(0017)$	0	0	$\frac{4,21,4,21}{4,\overline{21},5,\overline{22}}$
440	$(00\overline{16})$ $(00\overline{16})$	0	0	$4, \overline{20}, 0, \overline{16}$
441		0	1	$4,\overline{20},1,\overline{17}$
442	(0016)	0	0	$4,\overline{20},2,\overline{18}$
443	(0016)	0	1	$4,\overline{20},3,\overline{19}$
444	(0016)	0	0	$4, \overline{20}, 4, \overline{20}$
445	(0016)	0	1	$4, \overline{20}, 5, \overline{21}$
450	$(00\bar{15})$	0	1	$4, \overline{19}, 0, \overline{15}$
451	(0015)	0	0	$4, \overline{19}, 1, \overline{16}$
452	(0015)	0	1	$4, \overline{19}, 2, \overline{17}$
453	$(00\bar{15})$	0	0	$4, \overline{19}, 3, \overline{18}$
454	$(001\bar{5})$	0	1	$4, \overline{19}, 4, \overline{19}$
455	$(001\bar{5})$	0	0	$4, \overline{19}, 5, \overline{20}$
500	$(002\bar{5})$	0	0	$5, \overline{30}, 0, \overline{25}$
501	$(002\bar{5})$	0	1	$5, \overline{30}, 1, \overline{26}$
502	$(00\bar{25})$	0	0	$5, \overline{30}, 2, \overline{27}$
503	$(002\bar{5})$	0	1	$\overline{5,\overline{30},3,\overline{28}}$
504	$(002\bar{5})$	0	0	$\overline{5}, \overline{30}, \overline{4}, \overline{29}$
505	$(002\bar{5})$	0	1	$\overline{5}, \overline{30}, \overline{5}, \overline{30}$
510	(0024)	0	1	$5, \overline{29}, 0, \overline{24}$
511	(0024)	0	0	$5, \overline{29}, 1, \overline{25}$
512	(0024)	0	1	$5, \overline{29}, 2, \overline{26}$
513	(0024)	0	0	$\overline{5}, \overline{29}, \overline{3}, \overline{27}$
514	(0024)	0	1	$\overline{5}, \overline{29}, \overline{4}, \overline{28}$
515	(0024)	0	0	$\overline{5}, \overline{29}, \overline{5}, \overline{29}$
520	$(002\bar{3})$	0	0	$\overline{5}, \overline{28}, 0, \overline{23}$
521	$(002\bar{3})$	0	1	$\frac{5, \overline{25}, 5, \overline{25}}{5, \overline{28}, 1, \overline{24}}$
522	(0023)	0	0	$\frac{5, 25, 1, 21}{5, \overline{28}, 2, \overline{25}}$
523	(0023)	0	1	$\frac{5,28,2,28}{5,\overline{28},3,\overline{26}}$
$\frac{528}{524}$	$(00\bar{23})$	0	0	$\frac{5, 28, 6, 29}{5, \overline{28}, 4, \overline{27}}$
$\frac{524}{525}$	$(0023)$ $(002\overline{3})$	0	1	$\frac{5,28,4,27}{5,\overline{28},5,\overline{28}}$
$\frac{520}{530}$	$(0023)$ $(002\overline{2})$	0	1	$\frac{5,26,6,26}{5,\overline{27},0,\overline{22}}$
$\frac{-530}{531}$	$(0022)$ $(002\overline{2})$	0	0	$\frac{5,27,0,22}{5,\overline{27},1,\overline{23}}$
$\frac{-531}{532}$	(0022) $(0022)$	0	1	$\frac{5,27,1,25}{5,\overline{27},2,\overline{24}}$
$\frac{532}{533}$	$(0022)$ $(002\overline{2})$	0	0	$\frac{5,27,2,24}{5,\overline{27},3,\overline{25}}$
$\frac{533}{534}$	(0022) $(0022)$	0	1	$\frac{5,27,3,25}{5,\overline{27},4,\overline{26}}$
$\frac{534}{535}$	(0022) $(0022)$	0	0	5, 27, 4, 20 5, <del>27</del> , 5, <del>27</del>
	$(0022)$ $(002\overline{1})$	0	0	$\frac{5,27,5,27}{5,\overline{26},0,\overline{21}}$
540	(0021)	U	U	0, 20, 0, 21

541	$(00\bar{21})$	0	1	$5, \overline{26}, 1, \overline{22}$					
542	$(002\bar{1})$	0	0	$5, \overline{26}, 2, \overline{23}$					
543	$(002\bar{1})$	0	1	$5, \overline{26}, 3, \overline{24}$					
544	$(002\bar{1})$	0	0	$5, \overline{26}, 4, \overline{25}$					
545	$(002\bar{1})$	0	1	$5, \overline{26}, 5, \overline{26}$					
$\frac{-510}{550}$	(0021) $(0020)$	0	1	$5, \overline{25}, 0, \overline{20}$					
$\frac{-550}{551}$	$(0020)$ $(002\bar{0})$	0	0	$5, \overline{25}, 0, \overline{20}$ $5, \overline{25}, 1, \overline{21}$					
552	$(00\bar{20})$	0	1	$5, \overline{25}, 2, \overline{22}$					
553	$(00\bar{20})$	0	0	$5, \overline{25}, 3, \overline{23}$					
554	$(00\bar{20})$	0	1	$5, \overline{25}, 4, \overline{24}$					
555	$(00\bar{20})$	0	0	$5, \overline{25}, 5, \overline{25}$					
		175.139	P6'/m	Classificati	on $= \mathbb{Z}_M^2$	$X_{BS} = \mathbb{Z}_{3}$	,3 SI	$I = z_{3m,0}^+, z_{3m,\tau}^+$	$\pi$
$\mathbb{Z}_{3,3}$	weak	$6^{001}*$	i*	$Cm_{(3)}^{001}$					
00	(000)	1	0	3300					
00	(000)	1	0	$003\overline{3}$					
00	(000)	1	0	0033					
01	(000)	1	0	$001\overline{1}$					
02	(000)	0	0	$002\overline{2}$					
10	(000)	1	0	$1\overline{1}00$					
11	(000)	0	0	1111					
$\frac{11}{12}$	(000)	1	0	$1\overline{1}2\overline{2}$					
$\frac{12}{20}$	(000)	0	0	$\frac{1122}{2\overline{2}00}$					
$\frac{20}{21}$	(000)	1	0	$\frac{2\overline{2}00}{2\overline{2}1\overline{1}}$					
$\frac{21}{22}$	(000)	0	0	$\frac{2\overline{2}11}{2\overline{2}2\overline{2}}$					
	(000)						-		
		175.141		Classifica	tion = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$_{2,4}$ S	$I = z_{6C}/2, z_{4P}$	
$\mathbb{Z}_{2,4}$	weak	6 <sup>001</sup> *	i						
00	(000)	0	0						
02	(000)	1	1						
	(000)	1	1						
	(000)	175.1		/m Classifi	$f$ cation = $\mathbb{Z}$	$X_{\rm BS} =$	$=\mathbb{Z}_6$	$SI = z_{6m.0}^+$	
	weak	175.1		$\frac{/m}{i}$ Classifi		$_{M}$ $X_{\mathrm{BS}} =$	$=\mathbb{Z}_6$	$SI = z_{6m,0}^+$	
$\frac{\mathbb{Z}_6}{0}$	weak	$175.1$ $\{1 00\frac{1}{2}\}*$	$\frac{142  P_c 6}{6^{001}}$	i	$Cm_{(6)}^{001}$	$_{M}$ $X_{\mathrm{BS}} =$	$=\mathbb{Z}_6$	$SI = z_{6m,0}^+$	
$\mathbb{Z}_6$	$\begin{array}{c c} weak \\ \hline (00\bar{6}) \end{array}$	$   \begin{array}{c}     175.1 \\     \{1 00\frac{1}{2}\}* \\     1   \end{array} $	$   \begin{array}{c c}     \hline                                $	$\frac{i}{0}$	$\frac{Cm_{(6)}^{001}}{6\overline{6}00}$	$_{M}$ $X_{\mathrm{BS}} =$	= Z <sub>6</sub>	$SI = z_{6m,0}^+$	
$ \begin{array}{c c} \mathbb{Z}_6 \\ \hline 0 \\ 0 \end{array} $	$ \begin{array}{c c} weak \\ (00\overline{6}) \\ (002) \end{array} $	$   \begin{array}{c}     175.1 \\     \{1 00\frac{1}{2}\}* \\     1 \\     0   \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	<i>i</i> 0 0	$ \begin{array}{c} Cm_{(6)}^{001} \\ \overline{6600} \\ 0000 \end{array} $	$_{M}$ $X_{\mathrm{BS}}=$	= Z <sub>6</sub>	$SI = z_{6m,0}^+$	
$ \begin{array}{c c} \mathbb{Z}_6 \\ 0 \\ 0 \\ 1 \end{array} $	weak (006) (002) (001)	$   \begin{array}{c}     175.1 \\     \{1 00\frac{1}{2}\}* \\     1 \\     0 \\     1   \end{array} $	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 0 \end{array} $	i 0 0 1	$ \begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ 0000 \\ 1\overline{1}00 \end{array} $	$_{M}$ $X_{\mathrm{BS}}=$	$=\mathbb{Z}_6$	$SI = z_{6m,0}^+$	
$ \begin{array}{c c} \mathbb{Z}_6 \\ 0 \\ 0 \\ 1 \\ 2 \end{array} $		$   \begin{array}{c}     175.1 \\     \{1 00\frac{1}{2}\}* \\     1 \\     0 \\     1 \\     1   \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	i 0 0 1 0	$ \begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \end{array} $	$_{M}$ $X_{\mathrm{BS}}$ =	= Z <sub>6</sub>	$SI = z_{6m,0}^+$	
$ \begin{array}{c c}  & \mathbb{Z}_6 \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 1 \\ \hline  & 2 \\ \hline  & 3 \\ \end{array} $		$   \begin{array}{c}     175.1 \\     \{1 00\frac{1}{2}\}* \\     1 \\     0 \\     1 \\     1 \\     1 \end{array} $	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 0 \end{array} $	i 0 0 1 0 1	$ \begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \end{array} $	$_{M}$ $X_{\mathrm{BS}}=$	= Z6	$SI = z_{6m,0}^+$	
$ \begin{array}{c c} \mathbb{Z}_{6} \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \end{array} $	$\begin{array}{c} \text{weak} \\ (00\overline{6}) \\ (002) \\ (00\overline{1}) \\ (00\overline{2}) \\ (003) \\ (00\overline{4}) \end{array}$	$   \begin{array}{c}     175.1 \\     \{1 00\frac{1}{2}\}* \\     1 \\     0 \\     1 \\     1 \\     1 \\     1   \end{array} $	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 0 \\  & 0 \\ \hline  & 0 \\  & 0 \\ \hline  $	i 0 0 1 0 1 0	$ \begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ 0000 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \\ 4\overline{4}00 \end{array} $	$_{M}$ $X_{\mathrm{BS}}$ =	= Z <sub>6</sub>	$SI = z_{6m,0}^+$	
$ \begin{array}{c c}  & \mathbb{Z}_6 \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 1 \\ \hline  & 2 \\ \hline  & 3 \\ \end{array} $		$   \begin{array}{c}     175.1 \\     \{1 00\frac{1}{2}\}* \\     1 \\     0 \\     1 \\     1 \\     1 \\     1 \\     1 \\     1   \end{array} $	$ \begin{array}{c c}  & & & & \\ \hline  & & & & \\  & & & & \\ \hline  & & & & \\  & & & & \\  & & & & \\  & & & &$	i 0 0 0 1 0 1 0 1 0 1 1 0 1 1	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				
$ \begin{array}{c c} \mathbb{Z}_{6} \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \end{array} $	weak (006) (002) (001) (002) (003) (004) (005)	$ \begin{array}{c} 175.1\\ \{1 00\frac{1}{2}\}*\\ 1\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 176.143 \end{array} $	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 0 \\$	i $0$ $0$ $1$ $0$ $1$ $0$ $1$ $Classification$	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$			$SI = z_{6m,0}^+$ $SI = z_{3m,\pi}^+, z_{6m}^+$	F. m,0
$ \begin{array}{c c} \mathbb{Z}_{6} \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \end{array} $	$\begin{array}{c} \text{weak} \\ (00\overline{6}) \\ (002) \\ (00\overline{1}) \\ (00\overline{2}) \\ (003) \\ (00\overline{4}) \end{array}$	$ \begin{array}{c} 175.1\\ \{1 00\frac{1}{2}\}*\\ 1\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 176.143  F\\ 6^{001}_{00\frac{1}{2}} \end{array} $	$ \begin{array}{c c}  & & & & \\ \hline  & & & & \\  & & & & \\ \hline  & & & & \\  & & & & \\  & & & & \\  & & & &$	$i \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ Classification \\ Cm^{001}_{(6)}$	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				F
$ \begin{array}{c c} \mathbb{Z}_{6} \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \end{array} $	weak (006) (002) (001) (002) (003) (004) (005)	$ \begin{array}{c} 175.1\\ \{1 00\frac{1}{2}\}*\\ 1\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 176.143 \end{array} $	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 0 \\$	$i$ 0 0 1 0 1 0 1 0 1 Classification $Cm_{(6)}^{001}$ 0633	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				Fm,0
	$\begin{array}{c} \text{weak} \\ (00\overline{6}) \\ (002) \\ (00\overline{1}) \\ (002) \\ (003) \\ (004) \\ (005) \\ \end{array}$	$ \begin{array}{c} 175.1\\ \{1 00\frac{1}{2}\}*\\ 1\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 176.143  F\\ 6^{001}_{00\frac{1}{2}} \end{array} $	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 0 \\$	$i \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ Classification \\ Cm^{001}_{(6)}$	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				F
$ \begin{array}{c c} \mathbb{Z}_{6} \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline \mathbb{Z}_{3,6} \\ 00 \end{array} $	weak (006) (002) (001) (002) (003) (004) (005)  weak (006)	$ \begin{array}{c} 175.1\\ \{1 00\frac{1}{2}\}*\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 16.143  H\\ 6^{001}_{00\frac{1}{2}}\\ 3 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$i$ 0 0 1 0 1 0 1 0 1 Classification $Cm_{(6)}^{001}$ 0633	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				F- m,0
$ \begin{array}{c c} \mathbb{Z}_{6} \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline \mathbb{Z}_{3,6} \\ 00 \\ 00 \end{array} $	weak   (006)   (002)   (001)   (002)   (003)   (004)   (005)     weak   (006)   (000)	$ \begin{array}{c} 175.1\\ \{1 00\frac{1}{2}\}*\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 6_{00\frac{1}{2}} \end{array} $	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 0 \\$	$\begin{array}{c} i \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ \hline 0 \\ 1 \\ \hline Classification \\ Cm^{001}_{(6)} \\ 0633 \\ \hline 6600 \\ \end{array}$	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				$F_{m,0}$
$ \begin{array}{c c} \mathbb{Z}_{6} \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\  \hline \mathbb{Z}_{3,6} \\ 00 \\ 00 \\ 00 \\ 00 \end{array} $	weak (006) (002) (001) (002) (003) (004) (005)  weak (006) (000)	$ \begin{array}{c} 175.1\\ \{1 00\frac{1}{2}\}*\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 6^{001}_{00\frac{1}{2}}\\ 3\\ 0\\ 0 \end{array} $	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 0 \\  & 0 \\ \hline$	$\begin{array}{c} i \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ \hline Classification \\ Cm^{001}_{(6)} \\ 0633 \\ \hline 6600 \\ 0000 \\ \end{array}$	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				F-m,0
$ \begin{array}{c c} \mathbb{Z}_{6} \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\  \hline \mathbb{Z}_{3,6} \\ 00 \\ 00 \\ 00 \\ 01 \end{array} $	weak (006) (002) (001) (002) (003) (004) (005)  weak (006) (000) (000)	$ \begin{array}{c} 175.1\\ \{1 00\frac{1}{2}\}*\\ 1\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 6^{001}_{00\frac{1}{2}}\\ 3\\ 0\\ 0\\ 0 \end{array} $	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 1 \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 1 \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 1 \\ \hline  & 0 \\  & 0 \\ \hline  & 0 \\  & 0 \\ \hline  $	$i$ $0$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ Classification $Cm_{(6)}^{001}$ $0633$ $6\overline{6}00$ $0000$ $1\overline{1}00$	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				Fm,0
$ \begin{array}{c c} \mathbb{Z}_{6} \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\  \hline \mathbb{Z}_{3,6} \\ 00 \\ 00 \\ 00 \\ 01 \\ 02 \end{array} $	weak (006) (002) (001) (002) (003) (004) (005)  weak (006) (000) (000) (000)	$ \begin{array}{c} 175.1\\ \{1 00\frac{1}{2}\}*\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 6^{001}_{00\frac{1}{2}}\\ 3\\ 0\\ 0\\ 0\\ 0\\ 0 \end{array} $	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 0 \\  & 0 \\ \hline  & 0 \\  & 0 \\ \hline  $	$i$ $0$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ Classification $Cm_{(6)}^{001}$ $0633$ $6\overline{6}00$ $0000$ $1\overline{1}00$ $2\overline{2}00$	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				Fm,0
$ \begin{array}{c c} \mathbb{Z}_{6} \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline \mathbb{Z}_{3,6} \\ 00 \\ 00 \\ 00 \\ 01 \\ 02 \\ 03 \\ \end{array} $	weak (006) (002) (001) (002) (003) (004) (005)  weak (006) (000) (000) (000) (000)	$ \begin{array}{c} 175.1\\ \{1 00\frac{1}{2}\}*\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 6^{001}_{00\frac{1}{2}}\\ 3\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0  0  0  0  0$	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 1 \\ \hline  & 0 \\ \hline  & 1 \\ \hline  & 1 \\ \hline  & 0 \\ \hline  & 1 \\ \hline  & 1 \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 1 \\ \hline  & 0 \\$	$\begin{array}{c} i\\ 0\\ 0\\ 0\\ 1\\ 0\\ 1\\ 0\\ 1\\ \hline Classification\\ Cm^{001}_{(6)}\\ 0633\\ 6600\\ 0000\\ 1\overline{1}00\\ 2\overline{2}00\\ 3\overline{3}00\\ \end{array}$	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				m,0
	weak (006) (002) (001) (002) (003) (004) (005)  weak (006) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c} 175.1\\ \{1 00\frac{1}{2}\}*\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 1 \\ \hline  & 1 \\ \hline  & 0 \\ \hline  & 1 \\ \hline  & 1 \\ \hline  & 0 \\$	$i$ $0$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ Classification $Cm_{(6)}^{001}$ $0633$ $6600$ $0000$ $1\overline{1}00$ $2\overline{2}00$ $3\overline{3}00$ $4400$ $5\overline{5}00$	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				F-m,0
$ \begin{array}{c c} \mathbb{Z}_{6} \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\  \hline \mathbb{Z}_{3,6} \\ 00 \\ 00 \\ 00 \\ 01 \\ 02 \\ 03 \\ 04 \\ 05 \\ 10 \\ \end{array} $	weak (006) (002) (001) (002) (003) (004) (005)  weak (006) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c} 175.1\\ \{1 00\frac{1}{2}\}*\\ 0\\ 1\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 00\frac{1}{2}\\ 3\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 1 \end{array} $	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 1 \\ \hline  & 0 \\$	$i$ $0$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ Classification $Cm_{(6)}^{001}$ $0633$ $6\overline{6}00$ $0000$ $1\overline{1}00$ $2\overline{2}00$ $3\overline{3}00$ $4\overline{4}00$ $5\overline{5}00$ $0211$	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				F-m,0
$ \begin{array}{c c} \mathbb{Z}_{6} \\ 0 \\ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline                                $	weak (006) (002) (001) (002) (003) (004) (005)  weak (006) (000) (000) (000) (000) (000) (000) (000) (000) (002) (002)	$ \begin{array}{c} 175.1\\ \{1 00\frac{1}{2}\}*\\ 1\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 1\\ 1\\ 1 \end{array} $	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 1 \\ \hline  & 0 \\$	$i$ $0$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ Classification $Cm_{(6)}^{001}$ $0633$ $6600$ $0000$ $1100$ $2\overline{2}00$ $3\overline{3}00$ $4\overline{4}00$ $5\overline{5}00$ $0211$ $1111$	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				F.m.,0
$\begin{array}{c c} \mathbb{Z}_6 \\ \hline 0 \\ 0 \\ \hline 1 \\ 2 \\ \hline 3 \\ 4 \\ \hline 5 \\ \hline \\ \mathbb{Z}_{3,6} \\ \hline 00 \\ 00 \\ 00 \\ \hline 00 \\ 01 \\ 02 \\ \hline 03 \\ 04 \\ 05 \\ \hline 10 \\ 11 \\ 12 \\ \\ \end{array}$	weak (006) (002) (001) (002) (003) (004) (005)  weak (006) (000) (000) (000) (000) (000) (000) (000) (002) (002)	$ \begin{array}{c} 175.3 \\ \{1 00\frac{1}{2}\}* \\ 1 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 1 \\ \hline  & 0 \\$	i $0$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				Fm,0
	weak (006) (002) (001) (002) (003) (004) (005)  weak (006) (000) (000) (000) (000) (000) (000) (000) (002) (002) (002)	$ \begin{array}{c} 175.1\\ \{1 00\frac{1}{2}\}*\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 1 \\ \hline  & 0 \\$	$i$ $0$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ Classification $Cm^{001}_{(6)}$ $0633$ $6600$ $0000$ $1\overline{1}00$ $2\overline{2}00$ $3\overline{3}00$ $4\overline{4}00$ $5\overline{5}00$ $0211$ $1111$ $2011$ $3\overline{1}11$	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				Fm,0
$\begin{array}{c c} \mathbb{Z}_6 \\ \hline 0 \\ 0 \\ \hline 1 \\ 2 \\ \hline 3 \\ 4 \\ 5 \\ \hline \\ \mathbb{Z}_{3,6} \\ \hline 00 \\ 00 \\ 00 \\ 01 \\ 02 \\ \hline 03 \\ 04 \\ 05 \\ 10 \\ 11 \\ 12 \\ \hline 13 \\ 14 \\ \end{array}$	weak (006) (002) (001) (002) (003) (004) (005)  weak (006) (000) (000) (000) (000) (000) (000) (000) (002) (002) (002) (002)	$ \begin{array}{c} 175.3 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 00\frac{1}{2} \\ 3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 1 \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 1 \\ \hline  & 0 \\ \hline  & 1 \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 1 \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 1 \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 1 \\ \hline  & 0 \\ \hline  & 0 \\ \hline  & 1 \\ \hline  & 0 \\$	$i$ $0$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ Classification $Cm_{(6)}^{001}$ $0633$ $6\overline{6}00$ $0000$ $1\overline{1}00$ $2\overline{2}00$ $3\overline{3}00$ $4\overline{4}00$ $5\overline{5}00$ $0211$ $1111$ $2011$ $3\overline{1}11$ $4\overline{2}11$	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				F <sub>m</sub> ,0
	weak (006) (002) (001) (002) (003) (004) (005)  weak (006) (000) (000) (000) (000) (000) (000) (000) (002) (002) (002)	$ \begin{array}{c} 175.1\\ \{1 00\frac{1}{2}\}*\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	$ \begin{array}{c c}  & 142 & P_c 6 \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 1 \\ \hline  & 0 \\$	$i$ $0$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ $0$ $1$ Classification $Cm^{001}_{(6)}$ $0633$ $6600$ $0000$ $1\overline{1}00$ $2\overline{2}00$ $3\overline{3}00$ $4\overline{4}00$ $5\overline{5}00$ $0211$ $1111$ $2011$ $3\overline{1}11$	$\begin{array}{c} Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline 3\overline{3}00 \\ \hline 4\overline{4}00 \\ \hline 5\overline{5}00 \\ \end{array}$				Tm,0

21	(004)	2	1	1999				
$\frac{21}{22}$	(004)	2	0	$\frac{1322}{2222}$				
$\frac{22}{23}$	(004)	2	1	3122				
$\frac{23}{24}$	(004)	2	0	4022				
$\frac{24}{25}$	(004)	2	1	$\frac{4022}{5122}$				
	(004)							
		176		m Classi	fication = $\mathbb{Z}_M$ X	$L_{BS} = \mathbb{Z}_3$ S	$I = z_{3m,0}^+$	
$\mathbb{Z}_3$	weak	$6^{001}_{00\frac{1}{2}}*$	i*	$Cm_{(3)}^{001}$				
0	(000)	1	0	3300				
0	(000)	0	0	0000				
1	(000)	1	0	$1\overline{1}00$				
2	(000)	0	0	$2\overline{2}00$				
		17	6.147 P6	$\frac{1}{2}/m'$ Clas	sification = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_4$ S	$SI = z_{AP}$	
$\overline{\mathbb{Z}_4}$	weak	$6^{001}_{00\frac{1}{2}}*$	i	5/ ***	<u> </u>	DO 4		
0	(000)	00½	0					
$\frac{}{2}$	(000)	1	1					
	(000)			/ (1)	· C · · · · · · · · · · · · · · · · · ·	7 77 0	т +	
	1				ification = $\mathbb{Z}_M$ $X$	$X_{\rm BS} = \mathbb{Z}_6$ S	$z_{6m,0}$	
$\mathbb{Z}_6$	weak	$\{1 00\frac{1}{2}\}*$	6 <sup>001</sup> *	$i_{00\frac{1}{2}}*$	$Cm_{(6)}^{001}$			
0	$(00\bar{6})$	1	0	0	$6\overline{6}00$			
0	(002)	0	0	0	0000			
1	$(00\bar{1})$	1	1	0	$1\overline{1}00$			
2	$(00\bar{2})$	1	0	0	$2\overline{2}00$			
3	$(00\bar{3})$	1	1	0	3300			
4	$(00\bar{4})$	1	0	0	4400			
5	$(00\bar{5})$	1	1	0	$5\overline{5}00$			
			.153  P62'		cation = $\mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_6$	$SI = z_{6C}$	
$\mathbb{Z}_6$	weak	$6^{001}$	$2^{010}*$	$2^{1\overline{1}0}*$				
0	(006)	0	0	0				
0	(000)	0	1	1				
1	(001)	0	0	0				
2	(002)	0	0	0				
3	(003)	0	0	0				
4	(004)	0	0	0				
5	(005)	0	0	0				
•		180.	_		$ication = \mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2C}$	
$\mathbb{Z}_2$	weak	$6^{001}_{00\frac{1}{3}}$	$2^{010}_{00\frac{1}{3}}*$	$2^{1\overline{10}}_{00\frac{2}{3}}*$				
0	(006)	$\frac{00_{\overline{3}}}{2}$	0	0				
0	(000)	0	1	1				
1	(003)	1	0	1				
	/	181.	$177 P6_42'$	'2' Classit	$\overline{\text{ication}} = \mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2C}$	
$\overline{\mathbb{Z}_2}$	weak	$6_{00\frac{2}{3}}^{001}$	$\frac{2^{010}_{00\frac{2}{3}}}{2^{00\frac{2}{3}}}$	$\frac{2^{110}}{2_{00\frac{1}{3}}^{110}} *$		11D2 — M2	~± — ~2C	
0	$(00\bar{6})$	4	0	0				
	(000)	$\frac{0}{2}$	$\frac{1}{0}$	1 1				
1	$(00\bar{3})$						OT.	
	_	182.			fication = $\mathbb{Z} \times \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_3$	$SI = z_{3C}$	
$\mathbb{Z}_3$	weak	$6^{001}_{00\frac{1}{2}}$	$2^{010}*$	$2^{110}_{00\frac{1}{2}}*$				
0	(006)	3	0	1				
0	(000)	0	1	1				
2	(002)	1	0	1				
1	(004)	2	0	0				
		18	33.189 P6	m'm' Cla	$ssification = \mathbb{Z}$ $\Sigma$	$X_{\mathrm{BS}} = \mathbb{Z}_6$ S	$SI = z_{6C}$	
$\mathbb{Z}_6$	weak	$6^{001}$	$m_{\bar{1}20}*$	$m_{1\bar{1}0}*$		<u> </u>		
0	$(00\bar{6})$	0	0	0				
	/	1						

	$(00\bar{1})$	0	0	0						
$\frac{3}{4}$	$(001)$ $(00\bar{2})$	0	0	0						
3	$(002)$ $(00\bar{3})$	0	0	0						
$\frac{3}{2}$	$(00\overline{4})$	0	0	0						
$\frac{2}{1}$	(004) $(005)$	0	0	0						
	(000)				·C 1.	77 V	<b>7</b> 77	CT /		
	,	a001	$\frac{184.195}{120}$	6c'c' Clas	sification =	<u> </u>	$_{\mathrm{BS}}=\mathbb{Z}_{6}$	$S1 = z'_{6C}$		
$\mathbb{Z}_6$	weak	$6^{001}$	$g_{00\frac{1}{2}}^{\bar{1}20}*$	$g_{00\frac{1}{2}}^{1\overline{1}0}*$						
0	(0012)	0	6	6						
1	(002)	0	1	1						
2	(004)	0	2	2						
3	(006)	0	3	3						
4	(008)	0	4	4						
5	(0010)	0	5	5						
		18	85.201 P6	$S_3c'm'$ Cla	ssification =	= Z X	$X_{\mathrm{BS}} = \mathbb{Z}$	$I_3$ SI = $z_{3C}$		
$\mathbb{Z}_3$	weak	$6^{001}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{\overline{1}20}*$	$m_{1\bar{1}0}*$						
0	$(00\bar{6})$	$\frac{00\frac{1}{2}}{3}$	$\frac{300\frac{1}{2}}{3}$	0						
1	$(00\bar{2})$	$\frac{3}{1}$	1	0						
$\frac{1}{2}$	$(00\bar{4})$	$\frac{1}{2}$	$\frac{1}{2}$	0						
	(001)				.c	777 3	7 77	7 OT		
	1				ssincation =	=	$\chi_{\mathrm{BS}} = \mathbb{Z}$	$SI = z_{3C}$		
$\mathbb{Z}_3$	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						
		187.20	$9 P\bar{6}m2$	Classificat	$ion = \mathbb{Z}_M^3$	X <sub>BS</sub> =	$=\mathbb{Z}_{3,3}$	$SI = z_{3m,0}^+, z_{3m,\pi}^+$	-	
$\overline{\mathbb{Z}_{3,3}}$	weak	$\bar{6}^{001}$	$2^{110}$	$Cm_{(3)}^{001}$	$Cm_{(0)}^{110}$			577,0		
00	(000)	1	0	$\frac{3\overline{3}00}{3\overline{6}}$	$\phantom{00000000000000000000000000000000000$					
00	(000)	1	0	$003\bar{3}$	33					
00	(000)	1	0	$00\overline{3}3$	11					
00	(000)	0	0	0000	$2\overline{2}$					
01	(000)	1	0	$001\overline{1}$	<u>1</u> 1					
02	(000)	0	0	$002\overline{2}$	$\overline{2}2$					
10	(000)	1	0	$1\overline{1}00$	$1\overline{1}$					
11	(000)	0	0	$1\overline{1}1\overline{1}$	00					
12	(000)	1	0	$1\overline{1}2\overline{2}$	<u>1</u> 1					
20	(000)	0	0	$2\overline{2}00$	$2\overline{2}$					
21	(000)	1	0	$2\overline{2}1\overline{1}$	$1\overline{1}$					
22	(000)	0	0	$2\overline{2}2\overline{2}$	00					
	\ /	$87.213 \ P\bar{6}$	m'2' Clas		- 7/2 × 7/.	X <sub>DC</sub> =	7,222	$SI = z_{3m,0}^+, z_{3m,0}^-$	2+	
$\mathbb{Z}_{3,3,3}$	weak	$\frac{6001}{6001}$	$\frac{m \ 2}{m_{\bar{1}20}} *$	$\frac{2^{110}*}{}$	$Cm_{(3)}^{001}$	B5 —	<u></u> 3,3,3	$\sim$ $\sim$ $3m,0,\sim$ $3m,0$	J, ~3m,π	
$\frac{23,3,3}{000}$	$(00\overline{6})$		$\frac{m_{120}*}{0}$		0.00000000000000000000000000000000000					
000	(008)	1	0	1 1	0303					
000	(000)	1	0	1	$\frac{0303}{003\overline{3}}$					
	\ /				$\frac{0033}{00\overline{3}3}$					
000 001	(000)	1	0	1	$\frac{0033}{001\overline{1}}$					
$\frac{001}{002}$	(000)	0	0	1	$\frac{0011}{002\overline{2}}$					
$\frac{002}{010}$	(000)	1	0	0 1	0101					
$\frac{010}{011}$	(001)	0	0	0	0101					
$\frac{011}{012}$	(001)	1	0	1	$0110 \\ \hline 012\overline{1}$					
$\frac{012}{020}$	(001)	0	0	0	0121					
$\frac{020}{021}$	(002)	1	0	1	0202					
$\frac{021}{022}$	(002)	0	0	0	0211					
$\frac{022}{100}$	$(002)$ $(00\bar{2})$	1	0	1	$\frac{0220}{1\overline{3}0\overline{2}}$					
$\frac{100}{101}$	$(002)$ $(00\bar{2})$	0	0	0	$\frac{1302}{1\overline{3}1\overline{3}}$					
101	(002)	U	U	U	1919					

102	$(00\bar{2})$	1	0	1	$1\overline{3}2\overline{4}$			
110	(001)	0	0	0	$1\overline{2}0\overline{1}$			
111	$(00\overline{1})$	1	0	1	$\frac{1\overline{2}\overline{1}}{1\overline{2}\overline{1}}$			
112	(001)	0	0	0	$\frac{1\overline{2}1\overline{2}}{1\overline{2}2\overline{3}}$			
$\frac{112}{120}$	(000)	1	0	1	$\frac{1220}{1\overline{1}00}$			
$\frac{120}{121}$	(000)	0	0	0	$\frac{1\overline{100}}{1\overline{1}1\overline{1}}$			
$\frac{121}{122}$	(000)				$\frac{1111}{1\overline{1}2\overline{2}}$			
	\ /	1	0	1				
200	$(00\bar{4})$	0	0	0	$\frac{2\overline{6}0\overline{4}}{2\overline{6}1\overline{5}}$			
201	$(00\bar{4})$	1	0	1	$2\overline{6}1\overline{5}$			
202	$(00\bar{4})$	0	0	0	$2\overline{6}2\overline{6}$			
210	$(00\bar{3})$	1	0	1	$2\overline{5}0\overline{3}$			
211	$(00\bar{3})$	0	0	0	$2\overline{5}1\overline{4}$			
212	$(00\bar{3})$	1	0	1	$2\overline{5}2\overline{5}$			
220	$(00\bar{2})$	0	0	0	$2\overline{4}0\overline{2}$			
221	$(00\bar{2})$	1	0	1	$2\overline{4}1\overline{3}$			
222	$(00\bar{2})$	0	0	0	$2\overline{4}2\overline{4}$			
				m2 Classif		$\mathbb{Z}_M^2  X_{BS} = \mathbb{Z}_3$	$SI = z_{3m,0}^+$	
$\mathbb{Z}_3$	weak	$\{1 00\frac{1}{2}\}*$	$\bar{6}^{001}$	$2^{1\bar{1}0}$	$Cm_{(3)}^{001}$	$Cm_{(0)}^{110}$		
0	$(00\bar{3})$	1	1	0	3300	33		
0	(002)	0	0	0	0000	$\overline{2}2$		
0	(000)	0	0	0	0000	$2\overline{2}$		
1	$(00\bar{1})$	1	1	0	$1\overline{1}00$	11		
2	$(00\bar{2})$	1	0	0	$2\overline{2}00$	$2\overline{2}$		
	'	18	$8.215 P\bar{6}$	c2 Classific	$cation = \mathbb{Z}$	$\mathbf{Z}_M  \mathbf{X}_{\mathrm{BS}} = \mathbf{Z}_3$	$SI = z_2^+$	
$\mathbb{Z}_3$	weak	$\bar{6}^{001}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{\bar{1}20}$	$2^{1\bar{1}0}$	$Cm_{(3)}^{001}$	-MB53	~~ · · · · · · · · · · · · · · · · · ·	
0	(000)	1	1	0	3300			
0	(000)	0	0	0	0000			
$\frac{1}{2}$	(000)	0	$\frac{1}{0}$	0	$\frac{1\overline{1}00}{2\overline{2}00}$			
	(000)						0. L	
		188.219	P6c'2' (	Classification	$\mathbf{n} = \mathbb{Z}_M \times$	$\mathbb{Z}$ $X_{BS} = \mathbb{Z}_{3,3}$	$SI = z_{3m,0}^+, z_{3m,\pi}^+$	
$\mathbb{Z}_{3,3}$	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	$3\overline{3}00$			
00	$(00\bar{6})$	1	$\bar{3}$	0	0633			
00	(000)	0	0	0	0000			
01	$(00\bar{2})$	1	Ī	0	0211			_
02	$(00\bar{4})$	0	$\bar{2}$	0	0422			
10	(000)	1	0	1	$1\overline{1}00$			
11	$(00\bar{2})$	0	1	1	1111			
12	$(00\bar{4})$	1	$\bar{2}$	1	1322			
20	(000)	0	0	0	$2\overline{2}00$			
21	$(00\bar{2})$	1	1	0	2011			
22	$(00\bar{4})$	0	$\bar{2}$	0	2222			
		188	$8.220 P_c$	c2 Classifi	cation = Z	$\mathbb{Z}_M  \mathbf{X}_{\mathrm{BS}} = \mathbb{Z}_3$	$SI = z_{3m,0}^+$	
$\mathbb{Z}_3$	weak	$\{1 00\frac{1}{2}\}*$	<u></u> $\bar{6}^{001}*$	$m_{\bar{1}20}*$	$2^{110}$	$Cm_{(3)}^{001}$	0110,0	
0	(003)	1	0	0	0	$\frac{3\overline{3}00}{3}$		
0	$(00\overline{2})$	0	0	0	0	0000		
1	(001)	1	0	0	0	$\frac{1\overline{1}00}{1}$		
$\frac{1}{2}$	(002)	1	0	0	0	$\frac{\overline{2200}}{2}$		
	( ~ ~ -)	189.22					T - x <sup>+</sup> x <sup>+</sup>	
777	1	$\frac{189.22}{\bar{6}^{001}}$	$\frac{1 P02m}{2^{010}}$	Classificati $Cm_{(0)}^{100}$	$\frac{\text{on} = \mathbb{Z}_M}{Cm_{(3)}^{001}}$	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_{3,3}$ S	$I = z_{3m,0}^+, z_{3m,\pi}^+$	
$\mathbb{Z}_{3,3}$			,	UTDION	$\cup m_{(3)}$			
00	weak							
00	(000)	1	0	$3\overline{3}$	$3\overline{3}00$			
00 00 00								

	I ( )									
00	(000)	1	0	11	$00\overline{3}3$					
01	(000)	1	0	<u>1</u> 1	0011					
02	(000)	0	0	22	$002\overline{2}$					
10	(000)	1	0	11	$1\overline{1}00$					
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	$2\overline{2}2\overline{2}$					
	18		m' Clas	ssification =	$\mathbb{Z}_M^2  imes \mathbb{Z}$	$X_{BS} = \mathbb{Z}_{3,3,3}$	SI =	$z_{3m,0}^+, z_{3m,0}^-, z_{3m,0}^-$	$z_{3m,\pi}^+$	
$\mathbb{Z}_{3,3,3}$	weak	$\bar{6}^{001}$	$2^{010}*$	$m_{1\bar{1}0}*$	$Cm_{(3)}^{001}$			,	,	
000	$(00\bar{6})$	1	1	0	$3\overline{9}0\overline{6}$					
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	$(00\bar{2})$	1	1	0	$1\overline{3}0\overline{2}$					
101	$(00\bar{2})$	0	0	0	$1\overline{3}1\overline{3}$					
102	$(00\bar{2})$	1	1	0	$1\overline{3}2\overline{4}$					
110	$(00\bar{1})$	0	0	0	$1\overline{2}0\overline{1}$					
111	$(00\bar{1})$	1	1	0	$1\overline{2}1\overline{2}$					
112	$(00\bar{1})$	0	0	0	$1\overline{2}2\overline{3}$					
120	(000)	1	1	0	$1\overline{1}00$					
121	(000)	0	0	0	$1\overline{1}1\overline{1}$					
122	(000)	1	1	0	$1\overline{1}2\overline{2}$					
200	$(00\bar{4})$	0	0	0	$2\overline{6}0\overline{4}$					
201	$(00\bar{4})$	1	1	0	$2\overline{6}1\overline{5}$					
202	$(00\bar{4})$	0	0	0	$2\overline{6}2\overline{6}$					
210	$(00\bar{3})$	1	1	0	$2\overline{5}0\overline{3}$					
211	$(00\bar{3})$	0	0	0	$2\overline{5}1\overline{4}$					
212	$(00\bar{3})$	1	1	0	$2\overline{5}2\overline{5}$					
220	$(00\bar{2})$	0	0	0	$2\overline{4}0\overline{2}$					
221	$(00\bar{2})$	1	1	0	$2\overline{4}1\overline{3}$					
222	$(00\bar{2})$	0	0	0	$2\overline{4}2\overline{4}$					
		189.	$226 P_c \overline{6}$	2m Classi	fication =	$\mathbb{Z}_M^2$ $X_{BS} = 1$	$\mathbb{Z}_3$ SI	$=z_{3m,0}^{+}$		
$\mathbb{Z}_3$	weak	$\{1 00\frac{1}{2}\}*$	$\bar{6}^{001}$	$2^{010}$	$Cm_{\underline{(0)}}^{100}$	$Cm_{(3)}^{001}$				
0	(003)	1	1	0	$\frac{\overline{33}}{3}$	3300				
0	(000)	0	0	0	$\overline{22}$	0000				
0	$(00\bar{2})$	0	0	0	$\overline{2}2$	0000				
1	(001)	1	1	0	11	$1\overline{1}00$				
2	(002)	1	0	0	$2\overline{2}$	$2\overline{2}00$				
	/	196	$0.227  P\overline{6}$	32c Classifi	ication = 5	$\mathbb{Z}_M  \mathbf{X}_{\mathrm{BS}} = \mathbb{Z}$	7.2 SI :	$=z_{0}^{+}$		
$\overline{\mathbb{Z}_3}$	weak		$\frac{2^{010}}{2^{010}}$	$\frac{g_{00\frac{1}{2}}^{110}}{g_{00\frac{1}{2}}^{110}}$	$\frac{Cm_{(3)}^{001}}{Cm_{(3)}^{001}}$	-101 11BS — W	-0 DI.	~3m,0		
		$\bar{6}^{001}_{00\frac{1}{2}}$								
0	(000)	1	0	1	3300					
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		Classification		$X_{BS} =$	$\mathbb{Z}_{3,3}$ SI = $z_{3i}^+$	$z_{m,0}^+, z_{3m,\pi}^+$	
$\mathbb{Z}_{3,3}$	weak	$\bar{6}^{001}_{00\frac{1}{2}}$	$2^{010}*$	$g_{00\frac{1}{2}}^{110}*$	$Cm_{(3)}^{001}$			,,	
00	(000)	1	1	0	3300				
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				
			$0.232 P_c \bar{\theta}$	2c Classifi		$_{M}$ $X_{BS}$ =	$=\mathbb{Z}_3$ $\mathrm{SI}=z_{3i}^+$	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	(003)	1	0	0	0	$3\overline{3}00$			
0	$(00\bar{2})$	0	0	0	0	0000			
1	(001)	1	0	0	0	$1\overline{1}00$			
2	(002)	1	0	0	0	$2\overline{2}00$			
		191.233	P6/mmr	n Classific	$\operatorname{ation} = \mathbb{Z}_N^4$	$X_{BS} =$	$\frac{\mathbb{Z}_{6,12}  \text{SI} = z}{Cm_{(6)}^{001}}$	$+\frac{1}{6m,\pi},z_{12}$	
$\mathbb{Z}_{6,12}$	weak	$6^{001}$	$2^{010}$	i	$2^{110}$	$Cm_{(2)}^{100}$	$Cm_{(6)}^{001}$	$Cm_{(2)}^{210}$	
0,0	(000)	0	0	0	0	$\overline{12}, \overline{12}$	$\overline{6}66\overline{6}$	$\overline{12,12}$	
0,0	(000)	0	0	0	0	$12, \overline{12}$	$12, \overline{12}, 0, 0$	$12, \overline{12}$	
0,0	(000)	0	0	0	0	$\overline{4}4$	6600	$\overline{6}6$	
0,0	(000)	0	0	0	0	$\overline{2}2$	$\overline{6}6\overline{6}6$	$\overline{2}2$	
0,0	(000)	0	0	0	0	<u>6</u> 6	<del>6</del> 600	$\overline{4}4$	
0, 7	(000)	0	0	1	0	$1\overline{1}$	$1\overline{1}00$	$1\overline{1}$	
0, 2	(000)	0	0	0	0	$2\overline{2}$	$2\overline{2}00$	$2\overline{2}$	
0, 9	(000)	0	0	1	0	$3\overline{3}$	3300	$3\overline{3}$	
0,4	(000)	0	0	0	0	$4\overline{4}$	4400	$4\overline{4}$	
0,11	(000)	0	0	1	0	$5\overline{5}$	5 <del>5</del> 00	5 <u>5</u>	
0,6	(000)	0	0	0	0	6 <u>6</u>	6 <del>6</del> 00	<u>66</u>	
$\frac{0,1}{0,0}$	(000)	0	0	1	0	$\frac{7\overline{7}}{00}$	$7\overline{7}00$	$\frac{7\overline{7}}{8\overline{9}}$	
$\frac{0,8}{0,3}$	(000)	0	0	0 1	0	$8\overline{8}$ $9\overline{9}$	8 <del>8</del> 00	$8\overline{8}$ $9\overline{9}$	
$\frac{0.3}{0.10}$		0	0	0	0	$\frac{99}{10, \overline{10}}$	$\frac{9\overline{9}00}{10,\overline{10},0,0}$	$\frac{99}{10, \overline{10}}$	
$\frac{0,10}{0,5}$	(000)	0	0	1	0	$\frac{10,10}{11,\overline{11}}$	$10, 10, 0, 0$ $11, \overline{11}, 0, 0$	$\frac{10, 10}{11, \overline{11}}$	
$\frac{0,3}{1,0}$	(000)	0	0	0	0	$\frac{11,11}{22}$	$\frac{11,11,0,0}{1111}$	$\frac{11,11}{22}$	
$\frac{1,0}{1,7}$	(000)	0	0	1	0	$\frac{22}{11}$	$\frac{001\overline{1}}{1}$	$\frac{22}{11}$	
$\frac{1,7}{1,2}$	(000)	0	0	0	0	00	$\frac{1\overline{1}1\overline{1}}{1}$	00	
$\frac{1,2}{1,9}$	(000)	0	0	1	0	$\frac{00}{1\overline{1}}$	$\frac{2\overline{2}1\overline{1}}{2}$	$\frac{00}{1\overline{1}}$	
1,4	(000)	0	0	0	0	$2\overline{2}$	$3\overline{3}1\overline{1}$	$2\overline{2}$	
1,11	(000)	0	0	1	0	33	$4\overline{4}1\overline{1}$	33	
1,6	(000)	0	0	0	0	$4\overline{4}$	$5\overline{5}1\overline{1}$	$4\overline{4}$	
1,1	(000)	0	0	1	0	$5\overline{5}$	$6\overline{6}1\overline{1}$	$5\overline{5}$	
1,8	(000)	0	0	0	0	$6\overline{6}$	$7\overline{7}1\overline{1}$	$6\overline{6}$	
1,3	(000)	0	0	1	0	$7\overline{7}$	$8\overline{8}1\overline{1}$	77	
1,10	(000)	0	0	0	0	88	$9\overline{9}1\overline{1}$	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	<u>3</u> 3	$\overline{1}12\overline{2}$	<u>3</u> 3	
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	$1\overline{1}2\overline{2}$	<u>1</u> 1	
2,4	(000)	0	0	0	0	00	$2\overline{2}2\overline{2}$	00	

2,11	(000)	0	0	1	0	11	$3\overline{3}2\overline{2}$	$\overline{11}$	
$\frac{2,11}{2,6}$	(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	$\frac{22}{3\overline{3}}$	$\frac{5\overline{5}2\overline{2}}{5}$	$\frac{22}{3\overline{3}}$	
$\frac{2,1}{2,8}$	(000)	0	0	0	0	$\frac{3\overline{4}}{4\overline{4}}$	$\frac{6\overline{6}2\overline{2}}{6}$	$\frac{35}{4\overline{4}}$	
$\frac{-2,3}{2,3}$	(000)	0	0	1	0	$\overline{55}$	$7\overline{7}2\overline{2}$	<u>55</u>	
$\frac{-2,0}{2,10}$	(000)	0	0	0	0	$\overline{66}$	$8\overline{8}2\overline{2}$	$\frac{6\overline{6}}{}$	
$\frac{1}{2,5}$	(000)	0	0	1	0	$7\overline{7}$	$9\overline{9}2\overline{2}$	$7\overline{7}$	
$\frac{-3,0}{3,0}$	(000)	0	0	0	0	66	3333	66	
$\frac{-3,7}{3,7}$	(000)	0	0	1	0	$\frac{\overline{55}}{5}$	$\overline{223\overline{3}}$	<u>5</u> 5	
$\frac{1}{3,2}$	(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	$2\overline{2}3\overline{3}$	$\overline{1}1$	
3,6	(000)	0	0	0	0	00	$3\overline{3}3\overline{3}$	00	
3, 1	(000)	0	0	1	0	$1\overline{1}$	$4\overline{4}3\overline{3}$	$1\overline{1}$	
3,8	(000)	0	0	0	0	$2\overline{2}$	$5\overline{5}3\overline{3}$	$2\overline{2}$	
3,3	(000)	0	0	1	0	$3\overline{3}$	$6\overline{6}3\overline{3}$	$3\overline{3}$	
3, 10	(000)	0	0	0	0	$4\overline{4}$	$7\overline{7}3\overline{3}$	$4\overline{4}$	
3,5	(000)	0	0	1	0	$5\overline{5}$	$8\overline{8}3\overline{3}$	$5\overline{5}$	
4,0	(000)	0	0	0	0	88	$\overline{4}44\overline{4}$	88	
4,7	(000)	0	0	1	0	$\overline{7}7$	$\overline{3}34\overline{4}$	$\overline{7}7$	
4, 2	(000)	0	0	0	0	<del>6</del> 6	$\overline{2}24\overline{4}$	<del>6</del> 6	
4,9	(000)	0	0	1	0	$\overline{5}5$	$\overline{1}14\overline{4}$	$\overline{5}5$	
4, 4	(000)	0	0	0	0	$\overline{4}4$	$004\overline{4}$	$\overline{4}4$	
4, 11	(000)	0	0	1	0	$\overline{3}3$	$1\overline{1}4\overline{4}$	$\overline{3}3$	
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	<u>1</u> 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	$1\overline{1}$	$5\overline{5}4\overline{4}$	$1\overline{\underline{1}}$	
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	33	$7\overline{7}4\overline{4}$	33	
5,0	(000)	0	0	0	0	<u>10</u> , 10	<u>5</u> 55 <u>5</u>	<u>10</u> , 10	
5,7	(000)	0	0	1	0	99	$\overline{4}45\overline{5}$	99	
5, 2	(000)	0	0	0	0	88	$\overline{3}35\overline{5}$	<u>8</u> 8	
5,9	(000)	0	0	1	0	$\frac{\overline{77}}{\overline{3}}$	$\frac{\overline{2}25\overline{5}}{\overline{4}15\overline{5}}$	$\frac{\overline{7}7}{\overline{3}}$	
5,4	(000)	0	0	0	0	<u>66</u>	1155	<u>6</u> 6	
5,11	(000)	0	0	1	0	<u>5</u> 5	$\frac{005\overline{5}}{1\overline{15}\overline{5}}$	<u>5</u> 5	
5,6	(000)	0	0	0	0	$\frac{\overline{4}4}{\overline{2}0}$	$1\overline{1}5\overline{5}$	<u>4</u> 4	
$\frac{5,1}{5,0}$	(000)	0	0	1	0	<u>3</u> 3	$2\overline{2}5\overline{5}$	33 50	
5,8	(000)	0	0	0	0	$\frac{\overline{2}2}{\overline{1}1}$	$\frac{3\overline{3}5\overline{5}}{4\overline{4}\overline{5}\overline{5}}$	$\frac{\overline{2}2}{\overline{1}1}$	
5,3	(000)	0	0	1	0	11	$4\overline{455}$ $5\overline{5}5\overline{5}$	11	
$\frac{5,10}{5}$	(000)	0	0	$\frac{0}{1}$	0	$\frac{00}{1\overline{1}}$	$\frac{5555}{6655}$	$\frac{00}{1\overline{1}}$	
5,5	(000)								
	-	191.236	P6'/mm'm		ification = $\mathbb{Z}_M^3$	X <sub>BS</sub> =	$=\mathbb{Z}_{3,3}$ $SI=$	$z_{3m,0}^{\scriptscriptstyle  op}, z_{3m,\pi}^{\scriptscriptstyle  op}$	
$\mathbb{Z}_{3,3}$	weak	6001*	$2^{010}$	i*	$2^{1\bar{1}0}*$	$Cm^{100}_{\underline{(0)}}$	$Cm_{(3)}^{001}$		
00	(000)	1	0	0	1	$3\overline{3}$	$3\overline{3}00$		
00	(000)	1	0	0	1	33	$003\overline{3}$		
00	(000)	0	0	0	0	$2\overline{2}$	0000		
00	(000)	1	0	0	1	11	$00\overline{3}3$		
01	(000)	1	0	0	1	11	$001\overline{1}$		
02	(000)	0	0	0	0	$\overline{2}2$	$002\overline{2}$		
10	(000)	1	0	0	1	11	1 <u>1</u> 00		
11	(000)	0	0	0	0	00	1 <u>1</u> 1 <u>1</u>		
12	(000)	1	0	0	1	$\frac{\overline{1}1}{2\overline{2}}$	$1\overline{1}2\overline{2}$		
20	(000)	0	0	0	0	$2\overline{2}$	$2\overline{2}00$		

	(000)			-		- 1 -	2011		
21	(000)	1	0	0	1	11	$2\overline{2}1\overline{1}$		
22	(000)	0	0	0	0	00	$2\overline{2}2\overline{2}$		
		191.237	P6'/mmm'	Classi	fication = $\mathbb{Z}_M^3$	$X_{BS}$	$=\mathbb{Z}_{3,3}$ SI $=$	$z_{3m,0}^+, z_{3m,\pi}^+$	
$\mathbb{Z}_{3,3}$	weak	6001*	$2^{010}*$	i*	$2^{1\bar{1}0}$	$m_{010}*$	$Cm_{(3)}^{001}$	$Cm_{(0)}^{\bar{2}10}$	
00	(000)	1	1	0	0	0	3300	$3\overline{3}$	
00	(000)	1	1	0	0	0	$003\overline{3}$	33	
00	(000)	1	1	0	0	0	$00\overline{3}3$	11	
00	(000)	0	0	0	0	0	0000	$2\overline{2}$	
01	(000)	1	1	0	0	0	$001\overline{1}$	<u>1</u> 1	
02	(000)	0	0	0	0	0	$002\overline{2}$	$\overline{2}2$	
10	(000)	1	1	0	0	0	1100	11	
11	(000)	0	0	0	0	0	$1\overline{1}1\overline{1}$	00	
12	(000)	1	1	0	0	0	$1\overline{1}2\overline{2}$	11	
20	(000)	0	0	0	0	0	$\frac{2\overline{2}00}{2}$	$\frac{2\overline{2}}{2\overline{2}}$	
21	(000)	1	1	0	0	0	$\frac{2\overline{2}}{2\overline{1}}$	11	
22	(000)	0	0	0	0	0	$\frac{2\overline{2}\overline{1}}{2\overline{2}2\overline{2}}$	00	
	(000)								
	1	$\frac{191.2}{6^{001}*}$	$\frac{238 P0'/m'!}{2^{010}*}$		Classification = $2^{110}$	- ∠M - 100	$\Lambda_{\rm BS} = \mathbb{Z}_2$ S	$z = z_{2P}$	
$\mathbb{Z}_2$	weak			i		$Cm_{(2)}^{100}$			
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		nm' (	Classification =	$\mathbb{Z}_M$	$X_{BS} = \mathbb{Z}_2$ S	$I = z'_{2P}$	
$\mathbb{Z}_2$	weak	6001*	$2^{010}$	i	$2^{1\bar{1}0}*$	$m_{010}*$	$Cm_{(2)}^{\bar{2}10}$		
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2}$		
0	(000)	0	0	0	0	0	$\frac{-2}{2\overline{2}}$		
1	(000)	1	0	1	1	0			
		1	U	1	1	U	11		
	/ /							<u>~</u> + ~- ~+	
7/	191.	240 P6/n	nm'm' Class	sificatio	$\overline{\mathbf{n}} = \mathbb{Z}_M^2 \times \mathbb{Z}$	$X_{BS} =$	$\mathbb{Z}_{6,6,6}$ SI =	$z_{6m,0}^+, z_{6m,0}^-, z_{6m,\pi}^+$	
$\mathbb{Z}_{6,6,6}$	191. weak	$\frac{.240  P6/m}{6^{001}}$	$nm'm'$ Class $2^{010}*$	i		$X_{BS} = m_{010}*$	$\mathbb{Z}_{6,6,6}  \text{SI} = Cm_{(6)}^{001}$		
000	191. weak (0030)	$\frac{240 P6/n}{6^{001}}$	$\frac{nm'm'}{2^{010}*}$ Class	sificatio	$ \frac{\ln = \mathbb{Z}_M^2 \times \mathbb{Z}}{2^{110} *} $	$X_{\rm BS} = m_{010} *$	$   \begin{array}{c c}     \mathbb{Z}_{6,6,6} & \text{SI} = \\     \hline     & Cm_{(6)}^{001} \\     \hline     & 6, \overline{36}, 0, \overline{30}   \end{array} $		
000	191. weak (0030) (006)	$   \begin{array}{r}     240 & P6/n \\     \hline     6^{001} \\     \hline     0 \\     0   \end{array} $	$\frac{2^{010}*}{0}$	sification in the second of th	$ \begin{array}{c} \text{on} = \mathbb{Z}_M^2 \times \mathbb{Z} \\ 2^{1\overline{10}} * \\ 0 \\ 0 \end{array} $	$X_{BS} = m_{010}*$ $0$ $0$	$\mathbb{Z}_{6,6,6}$ SI = $Cm_{(6)}^{001}$ 6, $\overline{36}$ , 0, 30 0606		
000 000 000	191.  weak (0030) (006) (000)	$ \begin{array}{c c} 240 & P6/n \\ \hline 6^{001} & 0 \\ \hline 0 & 0 \end{array} $	$ \begin{array}{c c} nm'm' & \text{Class} \\ \hline 2^{010}* \\ \hline 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} i\\ 0\\ 0\\ 0\\ 0 \end{array} $	$ \begin{array}{c} \text{on} = \mathbb{Z}_M^2 \times \mathbb{Z} \\ 2^{1\bar{1}0} * \\ 0 \\ 0 \end{array} $	$X_{BS} = m_{010}*$ $0$ $0$ $0$			
000 000 000 000	191. weak (0030) (006) (000) (000)	$ \begin{array}{c c} 240 & P6/n \\ \hline 6^{001} & 0 \\ \hline 0 & 0 \\ 0 & 0 \end{array} $	0 0 0 0	isification i	$ \begin{array}{c} \text{on} = \mathbb{Z}_M^2 \times \mathbb{Z} \\ 2^{110} * \\ 0 \\ 0 \\ 0 \end{array} $	$X_{BS} = m_{010}*$ $0$ $0$ $0$ $0$			
000 000 000 000 001	191. weak (0030) (006) (000) (000)	$ \begin{array}{c c} 240 & P6/m \\ \hline 6^{001} & 0 \\ \hline 0 & 0 \\ \hline 0 & 0 \\ \hline 0 & 0 \end{array} $	0 0 0 0 1	isification i	$ \begin{array}{c} \text{on} = \mathbb{Z}_M^2 \times \mathbb{Z} \\ 2^{110} * \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	$X_{BS} = m_{010} * 0$ $0$ $0$ $0$ $0$	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \text{SI} = \\ \hline & Cm^{001}_{(6)} \\ \hline 6, \overline{36}, 0, \overline{30} \\ \hline & 0606 \\ \hline & 0066 \\ \hline & 001\overline{1} \\ \end{array}$		
000 000 000 000 000 001 002	191. weak (0030) (006) (000) (000) (000) (000)	$ \begin{array}{c c} \hline 240 & P6/n \\ \hline 6^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	0 0 0 0 1	isification i	$ \begin{array}{c} \text{on} = \mathbb{Z}_M^2 \times \mathbb{Z} \\ 2^{1\overline{10}} * \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \end{array} $	$X_{BS} = \frac{m_{010}*}{0}$ $0$ $0$ $0$ $0$ $0$ $0$	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \text{SI} = \\ \hline & Cm_{(6)}^{001} \\ \hline 6, \overline{36}, 0, 30 \\ \hline & 0606 \\ \hline & 006\overline{6} \\ \hline & 00\overline{11} \\ \hline & 002\overline{2} \\ \end{array}$		
000 000 000 000 001 002 003	191.  weak (0030) (006) (000) (000) (000) (000) (000)	$ \begin{array}{c c} \hline 240 & P6/n \\ \hline 6^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	0 0 0 0 0 1	isification i	$\begin{array}{c} \text{on} = \mathbb{Z}_M^2 \times \mathbb{Z} \\ 2^{110} * \\ \hline 0 \\ 0 \\ 0 \\ \hline 1 \\ 0 \\ 1 \end{array}$	$X_{BS} = \frac{m_{010}*}{0}$ $0$ $0$ $0$ $0$ $0$ $0$ $0$	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \mathrm{SI} = \\ \hline & Cm^{001}_{(6)} \\ \hline 6, 36, 0, 30 \\ \hline 0606 \\ \hline 006\overline{6} \\ \hline 001\overline{1} \\ \hline 002\overline{2} \\ \hline 003\overline{3} \\ \end{array}$		
000 000 000 000 001 002 003 004	191.  weak (0030) (006) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c c} \hline 240 & P6/n \\ \hline 6^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	0 0 0 0 0 1 0 1	sificatio  i  0  0  0  1  0  1  0  1  0  1  0  1  0  1	$\begin{array}{c} \text{on} = \mathbb{Z}_M^2 \times \mathbb{Z} \\ 2^{1\bar{1}0} * \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ \end{array}$	$X_{BS} = \frac{m_{010}*}{0}$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \text{SI} = \\ \hline & Cm^{001}_{(6)} \\ \hline 6, \overline{36}, 0, \overline{36} \\ \hline 0606 \\ \hline 006\overline{6} \\ \hline 001\overline{1} \\ \hline 002\overline{2} \\ \hline 003\overline{3} \\ \hline 004\overline{4} \\ \end{array}$		
000 000 000 000 001 002 003 004 005	191.  weak (0030) (006) (000) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c c} 240 & P6/n \\ \hline  & 6^{001} \\ \hline  & 0 \\  & 0 \\ \hline  & 0 \\  & 0 \\ \hline  & 0 \\  & 0 \\ \hline  & 0 $	0 0 0 1 0 1 0 1 1 0 1 1 0 1 1 0 1 1 1 0 1	i 0 0 0 0 0 1 0 1 0 1 0 1	$\begin{array}{c} \mathbf{n} = \mathbb{Z}_{M}^{2} \times \mathbb{Z} \\ 2^{110} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \end{array}$	$\begin{array}{c} X_{\rm BS} = \\ m_{010}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \mathrm{SI} = \\ \hline Cm_{(6)}^{001} \\ \hline 6, \overline{36}, 0, \overline{36} \\ \hline 0606 \\ \hline 0066 \\ \hline 001\overline{1} \\ \hline 002\overline{2} \\ \hline 003\overline{3} \\ \hline 004\overline{4} \\ \hline 005\overline{5} \\ \end{array}$		
000 000 000 000 001 002 003 004 005 010	191.  weak (0030) (006) (000) (000) (000) (000) (000) (000) (000) (000) (000)	$ \begin{array}{c c} \hline 240 & P6/n \\ \hline 6^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	0 0 0 0 0 1 0 1 1	i 0 0 0 0 0 1 0 1 0 1 1 1	$\begin{array}{c} \mathbf{n} = \mathbb{Z}_{M}^{2} \times \mathbb{Z} \\ \hline 2^{110} * \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 1 \\$	$X_{BS} = \frac{m_{010}*}{0}$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \mathrm{SI} = \\ \hline Cm_{(6)}^{001} \\ \hline 6, \overline{36}, 0, \overline{36} \\ \hline 0606 \\ \hline 0066 \\ \hline 001\overline{1} \\ \hline 002\overline{2} \\ \hline 003\overline{3} \\ \hline 004\overline{4} \\ \hline 005\overline{5} \\ \hline 0101 \\ \end{array}$		
000 000 000 001 002 003 004 005 010 011	191.  weak (0030) (006) (000) (000) (000) (000) (000) (000) (000) (001) (001)	$ \begin{array}{c c} \hline 240 & P6/n \\ \hline 6^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	0 0 0 0 0 1 0 1 0 1 0	i 0 0 0 0 1 0 1 0 1 1 0 0 1 1 0 0 0 1 0 0 0 1 0	$\begin{array}{c} \mathbf{n} = \mathbb{Z}_{M}^{2} \times \mathbb{Z} \\ 2^{110} * \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ 1 \\ 0 \\ \hline 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ \end{array}$	$\begin{array}{c} X_{\rm BS} = \\ m_{010}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \mathrm{SI} = \\ \hline & Cm^{001}_{(6)} \\ \hline 6,36,0,30 \\ \hline 0606 \\ \hline 000\overline{6}6 \\ \hline 001\overline{1} \\ \hline 002\overline{2} \\ \hline 003\overline{3} \\ \hline 004\overline{4} \\ \hline 005\overline{5} \\ \hline 0101 \\ \hline 0110 \\ \hline \end{array}$		
000 000 000 000 001 002 003 004 005 010 011 012	191.  weak (0030) (006) (000) (000) (000) (000) (000) (000) (000) (001) (001) (001)	240 P6/n 6001 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 1 1 0 1	i 0 0 0 0 0 1 0 1 0 1 1 0 1 1 0 1 1	$\begin{array}{c} \text{on} = \mathbb{Z}_{M}^{2} \times \mathbb{Z} \\ 2^{110} * \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 1 \\ 0 \\ \\ 1 \\ \\ 0 \\ \\ 1 \\ \\ 0 \\ \\ 1 \\ \\ 1 \\ \end{array}$	$\begin{array}{c} X_{\rm BS} = \\ m_{010}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \mathrm{SI} = \\ \hline & Cm_{(6)}^{001} \\ \hline 6, \overline{36}, 0, \overline{30} \\ \hline & 0606 \\ \hline & 006\overline{6} \\ \hline & 001\overline{1} \\ \hline & 002\overline{2} \\ \hline & 003\overline{3} \\ \hline & 004\overline{4} \\ \hline & 0101 \\ \hline & 0110 \\ \hline & 012\overline{1} \\ \hline \end{array}$		
000 000 000 000 001 002 003 004 005 010 011 012 013	191.  weak (0030) (006) (000) (000) (000) (000) (000) (000) (000) (001) (001) (001) (001)	240 P6/n 6001 0 0 0 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 0 1 0 0 0 0	i 0 0 0 0 0 1 0 1 0 1 0 0 1 0 0 1 0	$\begin{array}{c} \text{on} = \mathbb{Z}_{M}^{2} \times \mathbb{Z} \\ 2^{1\bar{1}0} * \\ \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0$	$\begin{array}{c} X_{\rm BS} = \\ m_{010}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \mathrm{SI} = \\ \hline Cm_{(6)}^{001} \\ \hline 6, \overline{36}, 0, \overline{36} \\ \hline 0606 \\ \hline 0066 \\ \hline 001\overline{1} \\ \hline 002\overline{2} \\ \hline 003\overline{3} \\ \hline 004\overline{4} \\ \hline 005\overline{5} \\ \hline 0101 \\ \hline 0110 \\ \hline 012\overline{1} \\ \hline 013\overline{2} \\ \hline \end{array}$		
000 000 000 000 001 002 003 004 005 010 011 012 013 014	191.  weak (0030) (006) (000) (000) (000) (000) (000) (000) (000) (001) (001) (001) (001) (001)	240 P6/n 6001 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 1 1 0 1 1 0 1 1 0 1 1 1 0 1	Sification	$\begin{array}{c} \text{on} = \mathbb{Z}_{M}^{2} \times \mathbb{Z} \\ 2^{110} * \\ \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 1$	$\begin{array}{c} X_{\rm BS} = \\ m_{010}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \mathrm{SI} = \\ \hline Cm_{(6)}^{001} \\ \hline 6, \overline{36}, 0, \overline{36} \\ \hline 0606 \\ \hline 0066 \\ \hline 000\overline{6} \\ \hline 001\overline{1} \\ \hline 002\overline{2} \\ \hline 003\overline{3} \\ \hline 004\overline{4} \\ \hline 005\overline{5} \\ \hline 0101 \\ \hline 0110 \\ \hline 012\overline{1} \\ \hline 013\overline{2} \\ \hline 014\overline{3} \\ \hline \end{array}$		
000 000 000 000 001 002 003 004 005 010 011 012 013 014 015	191.  weak (0030) (006) (000) (000) (000) (000) (000) (000) (001) (001) (001) (001) (001) (001)	240 P6/n 6001 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0	isification i	$\begin{array}{c} \text{on} = \mathbb{Z}_{M}^{2} \times \mathbb{Z} \\ 2^{110} * \\ \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0$	$\begin{array}{c} X_{\rm BS} = \\ m_{010}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \mathrm{SI} = \\ \hline Cm_{(6)}^{001} \\ \hline 6, \overline{36}, 0, \overline{36} \\ \hline 0606 \\ \hline 0066 \\ \hline 001\overline{1} \\ \hline 002\overline{2} \\ \hline 003\overline{3} \\ \hline 004\overline{4} \\ \hline 005\overline{5} \\ \hline 0101 \\ \hline 0110 \\ \hline 012\overline{1} \\ \hline 013\overline{2} \\ \hline 014\overline{3} \\ \hline 015\overline{4} \\ \end{array}$		
000 000 000 000 001 002 003 004 005 010 011 012 013 014 015 020	191.  weak (0030) (006) (000) (000) (000) (000) (000) (000) (001) (001) (001) (001) (001) (001) (001) (002)	$ \begin{array}{c c} \hline 240 & P6/n \\ \hline 6^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	0 0 0 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0	i 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0 0	$\begin{array}{c} \text{on} = \mathbb{Z}_{M}^{2} \times \mathbb{Z} \\ 2^{110} * \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 1 \\ \\ 0 \\ \\ 1 \\ \\ 0 \\ \\ 1 \\ \\ 0 \\ \\ 1 \\ \\ 0 \\ \\ 1 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ 0 \\ 0 \\ \\ 0 \\ 0 \\ \\ 0 \\ 0 \\ 0 \\ \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \\ 0 \\$	$\begin{array}{c} X_{\rm BS} = \\ m_{010}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \mathrm{SI} = \\ \hline & Cm^{001}_{(6)} \\ \hline 6, \overline{36}, 0, \overline{30} \\ \hline & 0606 \\ \hline & 006\overline{6} \\ \hline & 000\overline{1}\overline{1} \\ \hline & 002\overline{2} \\ \hline & 003\overline{3} \\ \hline & 004\overline{4} \\ \hline & 005\overline{5} \\ \hline & 0101 \\ \hline & 0110 \\ \hline & 012\overline{1} \\ \hline & 013\overline{2} \\ \hline & 014\overline{3} \\ \hline & 015\overline{4} \\ \hline & 0202 \\ \end{array}$		
000 000 000 000 001 002 003 004 005 010 011 012 013 014 015 020 021	191.  weak (0030) (006) (000) (000) (000) (000) (000) (001) (001) (001) (001) (001) (001) (002) (002)	240 P6/n 6001 0 0 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 1 0 1 0 1 0 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 0 1 1 1 1 0 1	i 0 0 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 0	$\begin{array}{c} \text{on} = \mathbb{Z}_{M}^{2} \times \mathbb{Z} \\ 2^{110} * \\ \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0$	$\begin{array}{c} X_{\rm BS} = \\ m_{010}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \mathrm{SI} = \\ \hline & Cm^{001}_{(6)} \\ \hline 6, \overline{36}, 0, \overline{36} \\ \hline & 0606 \\ \hline & 006\overline{6} \\ \hline & 000\overline{6} \\ \hline & 0003\overline{3} \\ \hline & 004\overline{4} \\ \hline & 005\overline{5} \\ \hline & 0101 \\ \hline & 0110 \\ \hline & 012\overline{1} \\ \hline & 013\overline{2} \\ \hline & 014\overline{3} \\ \hline & 0202 \\ \hline & 0211 \\ \hline \end{array}$		
000 000 000 000 001 002 003 004 005 010 011 012 013 014 015 020 021 022	191.  weak (0030) (006) (000) (000) (000) (000) (000) (001) (001) (001) (001) (001) (002) (002) (002)	240 P6/n 6001 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0	Sification	$\begin{array}{c} \mathbf{n} = \mathbb{Z}_{M}^{2} \times \mathbb{Z} \\ 2^{1\bar{1}0} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0$	$\begin{array}{c} X_{\rm BS} = \\ \hline m_{010}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \mathrm{SI} = \\ \hline Cm_{(6)}^{001} \\ \hline 6, \overline{36}, 0, \overline{36} \\ \hline 0606 \\ \hline 0066 \\ \hline 000\overline{6} \\ \hline 001\overline{1} \\ \hline 002\overline{2} \\ \hline 003\overline{3} \\ \hline 004\overline{4} \\ \hline 005\overline{5} \\ \hline 0101 \\ \hline 0110 \\ \hline 012\overline{1} \\ \hline 013\overline{2} \\ \hline 014\overline{3} \\ \hline 0202 \\ \hline 0211 \\ \hline 0220 \\ \hline \end{array}$		
000 000 000 000 001 002 003 004 005 010 011 012 013 014 015 020 021	191.  weak (0030) (006) (000) (000) (000) (000) (000) (001) (001) (001) (001) (001) (001) (002) (002)	240 P6/n 6001 0 0 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 1 0 1 0 1 0 1 0 1 0	i 0 0 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 0	$\begin{array}{c} n = \mathbb{Z}_{M}^{2} \times \mathbb{Z} \\ \hline 2^{1\bar{1}0} * \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0$	$\begin{array}{c} X_{\rm BS} = \\ m_{010}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \mathrm{SI} = \\ \hline Cm^{001}_{(6)} \\ \hline 6, \overline{36}, 0, \overline{36} \\ \hline 0606 \\ \hline 0066 \\ \hline 000\overline{6} \\ \hline 001\overline{1} \\ \hline 002\overline{2} \\ \hline 003\overline{3} \\ \hline 004\overline{4} \\ \hline 005\overline{5} \\ \hline 0101 \\ \hline 0110 \\ \hline 012\overline{1} \\ \hline 013\overline{2} \\ \hline 014\overline{3} \\ \hline 015\overline{4} \\ \hline 0202 \\ \hline 023\overline{1} \\ \hline \end{array}$		
000 000 000 000 001 002 003 004 005 010 011 012 013 014 015 020 021 022 023 024	191.  weak (0030) (006) (000) (000) (000) (000) (000) (001) (001) (001) (001) (001) (002) (002) (002) (002)	240 P6/n 6001 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0	Sification	$\begin{array}{c} \mathbf{n} = \mathbb{Z}_{M}^{2} \times \mathbb{Z} \\ 2^{1\bar{1}0} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0$	$\begin{array}{c} X_{\rm BS} = \\ m_{010}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c} \mathbb{Z}_{6,6,6}  \text{SI} = \\ \hline Cm^{001}_{(6)} \\ \hline 6, \overline{36}, 0, \overline{36} \\ \hline 0606 \\ \hline 0066 \\ \hline 000\overline{6}6 \\ \hline 001\overline{1} \\ \hline 002\overline{2} \\ \hline 003\overline{3} \\ \hline 004\overline{4} \\ \hline 005\overline{5} \\ \hline 0101 \\ \hline 0110 \\ \hline 012\overline{1} \\ \hline 013\overline{2} \\ \hline 014\overline{3} \\ \hline 0202 \\ \hline 0211 \\ \hline 0220 \\ \hline 023\overline{1} \\ \hline 024\overline{2} \\ \hline \end{array}$		
000 000 000 000 001 002 003 004 005 010 011 012 013 014 015 020 021 022 023 024 025	191.  weak (0030) (006) (000) (000) (000) (000) (000) (000) (001) (001) (001) (001) (001) (002) (002) (002) (002) (002)	240 P6/n 6001 0 0 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 1 0 1 0 1 0 1 0 1 0	sification i	$\begin{array}{c} \text{on} = \mathbb{Z}_{M}^{2} \times \mathbb{Z} \\ 2^{110} * \\ \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0$	$\begin{array}{c} X_{\rm BS} = \\ m_{010}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c} \mathbb{Z}_{6,6,6}  \text{SI} = \\ \hline Cm_{(6)}^{001} \\ \hline 6, \overline{36}, 0, \overline{36} \\ \hline 0606 \\ \hline 0066 \\ \hline 000\overline{6}6 \\ \hline 001\overline{1} \\ \hline 002\overline{2} \\ \hline 003\overline{3} \\ \hline 004\overline{4} \\ \hline 005\overline{5} \\ \hline 0101 \\ \hline 0110 \\ \hline 012\overline{1} \\ \hline 013\overline{2} \\ \hline 014\overline{3} \\ \hline 0202 \\ \hline 0211 \\ \hline 0220 \\ \hline 023\overline{1} \\ \hline 024\overline{2} \\ \hline 025\overline{3} \\ \hline \end{array}$		
000 000 000 000 001 002 003 004 005 010 011 012 013 014 015 020 021 022 023 024 025 030	191.  weak (0030) (006) (000) (000) (000) (000) (000) (001) (001) (001) (001) (001) (002) (002) (002) (002)	240 P6/n 6001 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 Class 2010 *  0 0  0 0  1 0  1 1  0 1  0 1  0 1	sification i	$\begin{array}{c} \text{on} = \mathbb{Z}_{M}^{2} \times \mathbb{Z} \\ 2^{110} * \\ \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0$	$\begin{array}{c} X_{\rm BS} = \\ m_{010}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \mathrm{SI} = \\ \hline Cm_{(6)}^{001} \\ \hline 6, \overline{36}, 0, \overline{36} \\ \hline 0606 \\ \hline 0066 \\ \hline 00066 \\ \hline 001\overline{1} \\ \hline 002\overline{2} \\ \hline 003\overline{3} \\ \hline 004\overline{4} \\ \hline 005\overline{5} \\ \hline 0101 \\ \hline 0110 \\ \hline 012\overline{1} \\ \hline 013\overline{2} \\ \hline 014\overline{3} \\ \hline 0202 \\ \hline 0211 \\ \hline 0220 \\ \hline 023\overline{1} \\ \hline 024\overline{2} \\ \hline 025\overline{3} \\ \hline 0303 \\ \hline \end{array}$		
000 000 000 000 001 002 003 004 005 010 011 012 013 014 015 020 021 022 023 024 025	191.  weak (0030) (006) (000) (000) (000) (000) (000) (000) (001) (001) (001) (001) (001) (002) (002) (002) (002) (002)	240 P6/n 6001 0 0 0 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 1 0 1 0 1 0 1 0 1	isification i	$\begin{array}{c} \text{on} = \mathbb{Z}_{M}^{2} \times \mathbb{Z} \\ 2^{110} * \\ \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0$	$\begin{array}{c} X_{\rm BS} = \\ m_{010}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c} \mathbb{Z}_{6,6,6}  \text{SI} = \\ \hline Cm_{(6)}^{001} \\ \hline 6, \overline{36}, 0, \overline{36} \\ \hline 0606 \\ \hline 0066 \\ \hline 000\overline{6}6 \\ \hline 001\overline{1} \\ \hline 002\overline{2} \\ \hline 003\overline{3} \\ \hline 004\overline{4} \\ \hline 005\overline{5} \\ \hline 0101 \\ \hline 0110 \\ \hline 012\overline{1} \\ \hline 013\overline{2} \\ \hline 014\overline{3} \\ \hline 0202 \\ \hline 0211 \\ \hline 0220 \\ \hline 023\overline{1} \\ \hline 024\overline{2} \\ \hline 025\overline{3} \\ \hline \end{array}$		
000 000 000 000 001 002 003 004 005 010 011 012 013 014 015 020 021 022 023 024 025 030	191.  weak (0030) (006) (000) (000) (000) (000) (000) (001) (001) (001) (001) (001) (002) (002) (002) (002) (002) (003)	240 P6/n 6001 0 0 0 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 1 0 1 0 1 0 1 0 1	sification i	$\begin{array}{c} \text{on} = \mathbb{Z}_{M}^{2} \times \mathbb{Z} \\ 2^{110} * \\ \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0$	$\begin{array}{c} X_{\rm BS} = \\ \hline m_{010} * \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{c c} \mathbb{Z}_{6,6,6} & \mathrm{SI} = \\ \hline Cm_{(6)}^{001} \\ \hline 6, \overline{36}, 0, \overline{36} \\ \hline 0606 \\ \hline 0066 \\ \hline 00066 \\ \hline 001\overline{1} \\ \hline 002\overline{2} \\ \hline 003\overline{3} \\ \hline 004\overline{4} \\ \hline 005\overline{5} \\ \hline 0101 \\ \hline 0110 \\ \hline 012\overline{1} \\ \hline 013\overline{2} \\ \hline 014\overline{3} \\ \hline 0202 \\ \hline 0211 \\ \hline 0220 \\ \hline 023\overline{1} \\ \hline 024\overline{2} \\ \hline 025\overline{3} \\ \hline 0303 \\ \hline \end{array}$		
000 000 000 000 000 001 002 003 004 005 010 011 012 013 014 015 020 021 022 023 024 025 030 031	191.  weak (0030) (006) (000) (000) (000) (000) (000) (001) (001) (001) (001) (002) (002) (002) (002) (003) (003)	240 P6/n 6001 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 Class 2010 *  0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	Sification	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	$\begin{array}{c} X_{\rm BS} = \\ \hline m_{010}* \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c} \mathbb{Z}_{6,6,6}  \text{SI} = \\ \hline Cm^{001}_{(6)} \\ \hline 6, \overline{36}, 0, \overline{36} \\ \hline 0606 \\ \hline 0066 \\ \hline 000\overline{6} \\ \hline 001\overline{1} \\ \hline 002\overline{2} \\ \hline 003\overline{3} \\ \hline 004\overline{4} \\ \hline 005\overline{5} \\ \hline 0101 \\ \hline 0110 \\ \hline 012\overline{1} \\ \hline 013\overline{2} \\ \hline 014\overline{3} \\ \hline 0202 \\ \hline 0211 \\ \hline 0220 \\ \hline 023\overline{1} \\ \hline 024\overline{2} \\ \hline 025\overline{3} \\ \hline 0303 \\ \hline 0312 \\ \hline \end{array}$		

034	$(00\bar{3})$	0	1	1	1	0	$034\overline{1}$	
035	$(00\bar{3})$	0	0	0	0	0	$035\overline{2}$	
040	$(00\bar{4})$	0	0	0	0	0	0404	
041	$(00\bar{4})$	0	1	1	1	0	0413	
042	$(00\bar{4})$	0	0	0	0	0	0422	
043	$(00\bar{4})$	0	1	1	1	0	0431	
044	$(00\bar{4})$	0	0	0	0	0	0440	
045	$(00\bar{4})$	0	1	1	1	0	$045\overline{1}$	
050	$(00\bar{5})$	0	1	1	1	0	0505	
051	$(00\bar{5})$	0	0	0	0	0	0514	
052	$(00\bar{5})$	0	1	1	1	0	0523	
053	$(00\bar{5})$	0	0	0	0	0	0532	
054	$(00\bar{5})$	0	1	1	1	0	0541	
055	$(00\overline{5})$	0	0	0	0	0	0550	
100	(005)	0	0	0	0	0	$1\overline{6}0\overline{5}$	
101	(005)	0	1	1	1	0	$1\overline{6}1\overline{6}$	
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	$1\overline{6}4\overline{9}$	
105	(005)	0	1	1	1	0	$1, \overline{6}, 5, \overline{10}$	
110	(004)	0	1	1	1	0	$1\overline{5}0\overline{4}$	
111	(004)	0	0	0	0	0	$1\overline{5}1\overline{5}$	
112	(004)	0	1	1	1	0	$1\overline{5}2\overline{6}$	
113	(004)	0	0	0	0	0	$1\overline{5}3\overline{7}$	
114	(004)	0	1	1	1	0	$1\overline{5}4\overline{8}$	
115	(004)	0	0	0	0	0	$1\overline{5}5\overline{9}$	
120	(003)	0	0	0	0	0	$1\overline{4}0\overline{3}$	
121	(003)	0	1	1	1	0	$1\overline{4}1\overline{4}$	
122	(003)	0	0	0	0	0	$1\overline{4}2\overline{5}$	
123	(003)	0	1	1	1	0	$1\overline{4}3\overline{6}$	
124	(003)	0	0	0	0	0	$1\overline{4}4\overline{7}$	
125	(003)	0	1	1	1	0	$1\overline{4}5\overline{8}$	
130	(002)	0	1	1	1	0	$1\overline{3}0\overline{2}$	
131	(002)	0	0	0	0	0	$1\overline{3}1\overline{3}$	
132	(002)	0	1	1	1	0	$1\overline{3}2\overline{4}$	
133	(002)	0	0	0	0	0	$1\overline{3}3\overline{5}$	
134	(002)	0	1	1	1	0	$1\overline{3}4\overline{6}$	
135	(002)	0	0	0	0	0	$1\overline{3}5\overline{7}$	
140	(001)	0	0	0	0	0	$1\overline{2}0\overline{1}$	
141	(001)	0	1	1	1	0	$1\overline{2}1\overline{2}$	
142	(001)	0	0	0	0	0	$1\overline{2}2\overline{3}$	
143	(001)	0	1	1	1	0	$1\overline{2}3\overline{4}$	
144	(001)	0	0	0	0	0	$1\overline{2}4\overline{5}$	
145	(001)	0	1	1	1	0	$1\overline{2}5\overline{6}$	
150	(000)	0	1	1	1	0	$1\overline{1}00$	
151	(000)	0	0	0	0	0	$1\overline{1}1\overline{1}$	
152	(000)	0	1	1	1	0	$1\overline{1}2\overline{2}$	
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	$\frac{1\overline{155}}{1\overline{155}}$	
200	(0010)	0	0	0	0	0	$2, \overline{12}, 0, \overline{10}$	
201	(0010)	0	1	1	1	0	$2,\overline{12},0,\overline{10}$ $2,\overline{12},1,\overline{11}$	
202	(0010)	0	0	0	0	0	$\frac{2,12,1,11}{2,\overline{12},2,\overline{12}}$	
203	(0010)	0	1	1	1	0	$2, \overline{12}, \overline{2}, \overline{13}$	
$\frac{203}{204}$	(0010)	0	0	0	0	0	$\frac{2,12,3,13}{2,\overline{12},4,\overline{14}}$	
	(~~~)	~	~	~	~	•	-,, <del>-,</del>	

205	(0010)	0	1	1	1	0	$2, \overline{12}, 5, \overline{15}$	
210	(009)	0	1	1	1	0	$2,\overline{11},0,\overline{9}$	
211	(009)	0	0	0	0	0	$2,\overline{11},1,\overline{10}$	
212	(009)	0	1	1	1	0	$2,\overline{11},2,\overline{11}$	
213	(009)	0	0	0	0	0	$2,\overline{11},3,\overline{12}$	
214	(009)	0	1	1	1	0	$2,\overline{11},4,\overline{13}$	
215	(009)	0	0	0	0	0	$2,\overline{11},\overline{5},\overline{14}$	
220	(008)	0	0	0	0	0	$2,\overline{10},0,\overline{8}$	
$\frac{220}{221}$	(008)	0	1	1	1	0	$\frac{2,\overline{10},0,\overline{0}}{2,\overline{10},1,\overline{9}}$	
$\frac{221}{222}$	(008)	0	0	0	0	0	$\frac{2,10,1,0}{2,\overline{10},2,\overline{10}}$	
$\frac{222}{223}$	(008)	0	1	1	1	0	$\frac{2,10,2,10}{2,\overline{10},3,\overline{11}}$	
$\frac{223}{224}$	(008)	0	0	0	0	0	$\frac{2,10,3,11}{2,\overline{10},4,\overline{12}}$	
$\frac{224}{225}$	/ /	0						
	(008)		1	1	1	0	$2,\overline{10},5,\overline{13}$	
230	(007)	0	1	1	1	0	2907	
231	(007)	0	0	0	0	0	2918	
232	(007)	0	1	1	1	0	2929	
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	$2, \overline{9}, 5, \overline{12}$	
240	(006)	0	0	0	0	0	$2\overline{8}0\overline{6}$	
241	(006)	0	1	1	1	0	$2\overline{8}1\overline{7}$	
242	(006)	0	0	0	0	0	$2\overline{8}2\overline{8}$	
243	(006)	0	1	1	1	0	$2\overline{8}3\overline{9}$	
244	(006)	0	0	0	0	0	$2, \overline{8}, 4, \overline{10}$	
245	(006)	0	1	1	1	0	$2, \overline{8}, 5, \overline{11}$	
250	(005)	0	1	1	1	0	$2\overline{7}0\overline{5}$	
251	(005)	0	0	0	0	0	$2\overline{7}1\overline{6}$	
252	(005)	0	1	1	1	0	$2\overline{7}2\overline{7}$	
253	(005)	0	0	0	0	0	2 <del>7</del> 3 <del>8</del>	
$\frac{253}{254}$	(005)	0	1	1	1	0	$\frac{2795}{2749}$	
$\frac{251}{255}$	(005)	0	0	0	0	0	$\frac{2,\overline{7},5,\overline{10}}{2,\overline{7},5,\overline{10}}$	
300	(0015)	0	0	0	0	0	$\frac{2, 7, 6, 16}{3, \overline{18}, 0, \overline{15}}$	
301	(0015)	0	1	1	1	0	$\frac{3, \overline{18}, 0, \overline{18}}{3, \overline{18}, 1, \overline{16}}$	
$\frac{301}{302}$	(0015)	0	0	0	0	0	$\frac{3,18,1,16}{3,\overline{18},2,\overline{17}}$	
	/ /				1		$\frac{3,16,2,17}{3,\overline{18},3,\overline{18}}$	
303	(0015)	0	1	1		0		
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	$3, \overline{17}, 4, \overline{18}$	
315	(0014)	0	0	0	0	0	$3, \overline{17}, 5, \overline{19}$	
320	(0013)	0	0	0	0	0	$3,\overline{16},0,\overline{13}$	
321	(0013)	0	1	1	1	0	$3, \overline{16}, 1, \overline{14}$	
322	(0013)	0	0	0	0	0	$3,\overline{16},2,\overline{15}$	
323	(0013)	0	1	1	1	0	$3, \overline{16}, 3, \overline{16}$	
324	(0013)	0	0	0	0	0	$3,\overline{16},4,\overline{17}$	
325	(0013)	0	1	1	1	0	$3,\overline{16},\overline{5},\overline{18}$	
330	(0012)	0	1	1	1	0	$\frac{1}{3}, \frac{1}{15}, 0, \frac{1}{12}$	
331	(0012)	0	0	0	0	0	$\frac{3,\overline{15},0,\overline{12}}{3,\overline{15},1,\overline{13}}$	
332	(0012)	0	1	1	1	0	$\frac{3,15,1,15}{3,\overline{15},2,\overline{14}}$	
333	(0012)	0	0	0	0	0	$\frac{3, \overline{15}, \overline{2}, \overline{14}}{3, \overline{15}, 3, \overline{15}}$	
334	(0012)	0	1	1	1	0	$\frac{3,15,3,15}{3,\overline{15},4,\overline{16}}$	
	(0012)	0	0	0	0	0	$\frac{3,15,4,16}{3,\overline{15},5,\overline{17}}$	
335	1 ([][[]])				1.7			

340	(0011)	0	0	0	0	0	$3, \overline{14}, 0, \overline{11}$
341	(0011)	0	1	1	1	0	$3, \overline{14}, 1, \overline{12}$
342	(0011)	0	0	0	0	0	$3, \overline{14}, 2, \overline{13}$
343	(0011)	0	1	1	1	0	$3, \overline{14}, 3, \overline{14}$
344	(0011)	0	0	0	0	0	$3, \overline{14}, 4, \overline{15}$
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	$\overline{3}, \overline{13}, 1, \overline{11}$
352	(0010)	0	1	1	1	0	$\overline{3}, \overline{13}, 2, \overline{12}$
353	(0010)	0	0	0	0	0	$\overline{3}, \overline{13}, \overline{3}, \overline{13}$
354	(0010)	0	1	1	1	0	$\overline{3},\overline{13},\overline{4},\overline{14}$
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	$\frac{3}{4}, \overline{24}, 1, \overline{21}$
402	(0020)	0	0	0	0	0	$\frac{2}{4}, \frac{2}{24}, \frac{2}{22}$
403	(0020)	0	1	1	1	0	$\frac{2}{4}, \frac{2}{24}, \frac{2}{3}, \frac{2}{3}$
404	(0020)	0	0	0	0	0	$\frac{1,21,6,26}{4,\overline{24},4,\overline{24}}$
405	(0020)	0	1	1	1	0	$\frac{1}{4}, \frac{21}{24}, \frac{1}{5}, \frac{21}{25}$
410	(0019)	0	1	1	1	0	$\frac{1,21,6,26}{4,\overline{23},0,\overline{19}}$
411	(0019)	0	0	0	0	0	$\frac{4,20,0,10}{4,\overline{23},1,\overline{20}}$
$\frac{411}{412}$	(0019)	0	1	1	1	0	$\frac{4,20,1,20}{4,\overline{23},2,\overline{21}}$
413	(0019)	0	0	0	0	0	$\frac{4,23,2,21}{4,\overline{23},3,\overline{22}}$
$\frac{413}{414}$	(0019)	0	1	1	1	0	$\frac{4,20,3,22}{4,\overline{23},4,\overline{23}}$
$\frac{414}{415}$	(0019)	0	0	0	0	0	$\frac{4,23,4,23}{4,\overline{23},5,\overline{24}}$
$\frac{415}{420}$	(0019)	0	0	0	0	0	$\frac{4,23,3,24}{4,22,0,18}$
$\frac{420}{421}$	(0018)			1	1	0	4, 22, 0, 10
$\frac{421}{422}$	/	0	1				
$\frac{422}{423}$	(0018)	0	0	0	0	0	$4,\overline{22},2,\overline{20}$
	(0018)	0	1	1	1	0	$4,\overline{22},3,\overline{21}$
424 425	(0018)	0	0	0	0	0	$4,\overline{22},4,\overline{22}$
	(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	$4,\overline{21},1,\overline{18}$
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	$4, \overline{19}, 0, \overline{15}$
451	(0015)	0	0	0	0	0	$4, \overline{19}, 1, \overline{16}$
452	(0015)	0	1	1	1	0	$4,\overline{19},2,\overline{17}$
453	(0015)	0	0	0	0	0	$4,\overline{19},3,\overline{18}$
454	(0015)	0	1	1	1	0	$4,\overline{19},4,\overline{\overline{19}}$
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	$5, \overline{30}, 3, \overline{28}$
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	$5, \overline{29}, 0, \overline{24}$

511	(0024)	0	0	0	0	0	$5, \overline{29}, 1, \overline{25}$			
512	(0024)	0	1	1	1	0	$5, \overline{29}, 2, \overline{26}$			
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	$5, \overline{28}, 3, \overline{26}$			
$\frac{-526}{524}$	(0023)	0	0	0	0	0	$5, \overline{28}, 4, \overline{27}$			
$\frac{-521}{525}$	(0023)	0	1	1	1	0	$\frac{5,28,1,27}{5,\overline{28},5,\overline{28}}$			
$\frac{-520}{530}$	(0023) $(0022)$	0	1	1	1	0	$\frac{5,25,5,25}{5,\overline{27},0,\overline{22}}$			
531	(0022)	0	0	0	0	0	$5, \overline{27}, 0, \overline{22}$ $5, \overline{27}, 1, \overline{23}$			
$\frac{531}{532}$	(0022)	0					$\frac{5,27,1,23}{5,\overline{27},2,\overline{24}}$			
	/		1	1	1	0				
533	(0022)	0	0	0	0	0	$5, \overline{27}, 3, \overline{25}$			
534	(0022)	0	1	1	1	0	$5, \overline{27}, 4, \overline{26}$			
535	(0022)	0	0	0	0	0	$5, \overline{27}, 5, \overline{27}$			
540	(0021)	0	0	0	0	0	$5, \overline{26}, 0, \overline{21}$			
541	(0021)	0	1	1	1	0	$5, \overline{26}, 1, \overline{22}$			
542	(0021)	0	0	0	0	0	$5, \overline{26}, 2, \overline{23}$			
543	(0021)	0	1	1	1	0	$5, \overline{26}, 3, \overline{24}$			
544	(0021)	0	0	0	0	0	$5, \overline{26}, 4, \overline{25}$			
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	$5, \overline{25}, 3, \overline{23}$			
	(0020)				0					
	/		1	1						
554	(0020)	0			1 0	0	$5, \overline{25}, 4, \overline{24}$			
	/	0	1 0	1 0	1 0	0	$5, \overline{25}, 4, \overline{24}$ $5, \overline{25}, 5, \overline{25}$	_ ~		
554 555	(0020)	0 0 191.2	$ \begin{array}{c} 1\\ 0\\ 242  P_c6/n \end{array} $	1 0 nmm Cla	$\frac{1}{0}$ ssification =	$ \begin{array}{c} 0 \\ 0 \\ = \mathbb{Z}_M^3  X_{\mathrm{F}} \end{array} $	$5, \overline{25}, 4, \overline{24}$ $5, \overline{25}, 5, \overline{25}$ $3S = \mathbb{Z}_{12}  SI = \overline{25}$	$=z_{12}$	Cm 210	
$   \begin{array}{c}     554 \\     555 \\     \hline     \mathbb{Z}_{12}   \end{array} $	(0020) (0020) weak	$0 \\ 0 \\ 191.2 \\ \{1 00\frac{1}{2}\}*$	$   \begin{array}{r}     1 \\     \hline     0 \\     \hline     242  P_c 6/n \\     \hline     6^{001}   \end{array} $	$ \begin{array}{c} 1\\0\\ \underline{nmm} \text{ Cla}\\2^{010} \end{array} $	$ \begin{array}{c} 1\\0\\ \text{ssification} = i \end{array} $	$   \begin{array}{c}     0 \\     \hline     0 \\     = \mathbb{Z}_{M}^{3}  X_{\mathrm{H}} \\     \hline     2^{110}   \end{array} $	$5, \overline{25}, 4, \overline{24}$ $5, \overline{25}, 5, \overline{25}$ $3S = \mathbb{Z}_{12}  SI = Cm_{(2)}^{100}$	$Cm_{(6)}^{001}$	$Cm_{(2)}^{210}$	
$ \begin{array}{r} 554 \\ 555 \\ \hline \mathbb{Z}_{12} \\ 0 \end{array} $	(0020) (0020) weak (0012)	$ \begin{array}{c} 0 \\ 0 \\ \hline 191.2 \\ \{1 00\frac{1}{2}\}* \\ 1 \end{array} $	$ \begin{array}{r} 1 \\ 0 \\ 242  P_c 6/n \\ 6^{001} \\ 0 \end{array} $	1 0 1mm Cla 2 <sup>010</sup>	$ \begin{array}{c} 1\\0\\ \text{ssification} = \\ i\\0 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ = \mathbb{Z}_{M}^{3}  X_{\mathbf{H}} \\ 2^{110} \\ 0 \end{array} $	$ 5, \overline{25}, 4, \overline{24}  5, 25, 5, \overline{25}  3S = \mathbb{Z}_{12} \text{ SI :}  Cm_{(2)}^{100}  12, \overline{12} $	$\frac{Cm_{(6)}^{001}}{12, \overline{12}, 0, 0}$	$12, \overline{12}$	
$ \begin{array}{r} 554 \\ 555 \\ \hline \mathbb{Z}_{12} \\ 0 \\ 0 \end{array} $	(0020) (0020) (0020) weak (0012) (006)	$ \begin{array}{r} 0 \\ 0 \\ \hline 191.2 \\ \{1 00\frac{1}{2}\}* \\ 1 \\ 0 \end{array} $	$ \begin{array}{r} 1 \\ 0 \\ 242  P_c 6/n \\ 6^{001} \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 1\\ 0\\ \hline nmm  \text{Cla}\\ 2^{010}\\ 0\\ 0 \end{array} $	1 0 ssification = i 0 0	$ \begin{array}{c c} 0 \\ 0 \\ \hline = \mathbb{Z}_{M}^{3} & X_{\mathbf{I}} \\ \hline 2^{110} \\ 0 \\ 0 \end{array} $	$ 5, 25, 4, 24 5, 25, 5, 25 5, 25, 5, 25 $ $ Cm_{(2)}^{100} $ $ 12, 12 $ $ \overline{44} $	$ \begin{array}{c} Cm_{(6)}^{001} \\ 12, \overline{12}, 0, 0 \\ \overline{6}600 \end{array} $	$\frac{12,\overline{12}}{\overline{6}6}$	
$ \begin{array}{c c} 554 \\ \hline 555 \\ \hline \mathbb{Z}_{12} \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} (0020) \\ (0020) \\ \hline \\ (0020) \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	$ \begin{array}{c} 0 \\ 0 \\ \hline 191.2 \\ \{1 00\frac{1}{2}\}* \\ 1 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} 1 & 0 \\ 242 & P_c 6/m \\ \hline 6^{001} & 0 \\ 0 & 0 \end{array} $	1 0 1mm Cla 2 <sup>010</sup> 0 0	1 0 ssification = i 0 0 0	$ \begin{array}{c} 0 \\ 0 \\ = \mathbb{Z}_{M}^{3}  X_{\text{H}} \\ 2^{110} \\ 0 \\ 0 \\ 0 \end{array} $	$5, \overline{25}, 4, \overline{24}$ $5, \overline{25}, 5, \overline{25}$ $3S = \mathbb{Z}_{12}  SI = Cm_{\underline{(2)}}^{100}$ $12, \overline{12}$ $\overline{44}$ $\overline{22}$	$ \begin{array}{c} Cm_{(6)}^{001} \\ 12, \overline{12}, 0, 0 \\ \overline{6600} \\ 0000 \end{array} $	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{2}2 \end{array} $	
$ \begin{array}{c c}                                    $	$\begin{array}{c} (0020) \\ (0020) \\ \hline \end{array}$ weak $\begin{array}{c} (0012) \\ (00\bar{6}) \\ (00\bar{2}) \\ (00\bar{6}) \\ \end{array}$	$ \begin{array}{r} 0 \\ 0 \\ \hline 191.2 \\ \{1 00\frac{1}{2}\}* \\ 1 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c c} 1 \\ 0 \\ \hline 242 & P_c 6/n \\ \hline 6^{001} \\ \hline 0 \\ 0 \\ 0 \\ 0 \end{array} $	1 0 1mm Cla 2 <sup>010</sup> 0 0 0	1 0 ssification = i 0 0 0 0	$ \begin{array}{c c} 0 \\ \hline 0 \\ \hline = \mathbb{Z}_{M}^{3} & X_{\text{H}} \\ \hline 2^{110} & 0 \\ \hline 0 & 0 \\ 0 & 0 \end{array} $	$ \begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ 3S = \mathbb{Z}_{12}  SI = \\ \underline{Cm_{(2)}^{100}} \\ 12, \overline{12} \\ \underline{\overline{44}} \\ \underline{\overline{22}} \\ \overline{\overline{66}} \end{array} $	$ \begin{array}{c} Cm_{(6)}^{001} \\ 12, \overline{12}, 0, 0 \\ \overline{6}600 \\ 0000 \\ \overline{6}600 \end{array} $	$ \begin{array}{r} 12,\overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \end{array} $	
$ \begin{array}{c c} 554 \\ \hline 555 \\ \hline  & \\ \hline  & \\ 0 \\ 0 \\ 0 \\ 7 \end{array} $	$\begin{array}{c} (0020) \\ (0020) \\ \hline \end{array}$ weak $\begin{array}{c} (0012) \\ (00\overline{6}) \\ (00\overline{2}) \\ (00\overline{6}) \\ (001) \\ \end{array}$	$ \begin{array}{c} 0 \\ 0 \\ \hline 191.2 \\ \{1 00\frac{1}{2}\}* \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 1 \\ 0 \\ 242  P_c 6/m \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	1 0 nmm Cla 2 <sup>010</sup> 0 0 0	1 0 ssification = i 0 0 0 0 0	$ \begin{array}{c} 0 \\ 0 \\ = \mathbb{Z}_{M}^{3}  X_{\text{H}} \\ 2^{110} \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ 3S = \mathbb{Z}_{12}  SI = \\ \underline{Cm_{(2)}^{100}} \\ 12, \overline{12} \\ \overline{44} \\ \underline{\overline{22}} \\ \overline{66} \\ 1\overline{1} \end{array} $	$ \begin{array}{c} Cm_{(6)}^{001} \\ 12, \overline{12}, 0, 0 \\ \overline{6600} \\ 0000 \\ \overline{6600} \\ 1\overline{100} \end{array} $	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \\ 1\overline{1} \end{array} $	
$ \begin{array}{c c} 554 \\ 555 \\ \hline  & \\ \hline  & \\  & \\  & \\  & \\  & \\  & $	(0020) (0020) (0020) weak (0012) (00\overline{6}) (00\overline{6}) (001) (002)	$ \begin{array}{c} 0 \\ 0 \\ \hline 191.2 \\ \{1 00\frac{1}{2}\}* \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $	$ \begin{array}{c} 1 \\ 0 \\ 242  P_c 6/m \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	1 0 nmm Cla 2 <sup>010</sup> 0 0 0 0	1 0 ssification = i 0 0 0 0	$ \begin{array}{c c} 0 \\ 0 \\ \hline 0 \\ \hline 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline SS = \mathbb{Z}_{12}  SI = \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline \overline{44} \\ \hline \overline{22} \\ \hline \overline{66} \\ 1\overline{1} \\ \overline{22} \end{array} $	$ \begin{array}{r} Cm_{(6)}^{001} \\ 12, \overline{12}, 0, 0 \\ \overline{6600} \\ 0000 \\ \overline{6600} \\ 1\overline{100} \\ 2\overline{200} \end{array} $	$ \begin{array}{r} 12, \overline{12} \\ \hline 66 \\ \hline 22 \\ \hline 44 \\ 1\overline{1} \\ 2\overline{2} \end{array} $	
$ \begin{array}{c c} 554 \\ \hline 555 \\ \hline  & \\ \hline  & \\ 0 \\ 0 \\ 0 \\ 7 \end{array} $	(0020) (0020) (0020) weak (0012) (00\overline{6}) (00\overline{2}) (00\overline{6}) (002) (003)	$ \begin{array}{c} 0 \\ 0 \\ \hline 191.2 \\ \{1 00\frac{1}{2}\}* \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \end{array} $	$ \begin{array}{c} 1 \\ 0 \\ 242  P_c 6/m \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	1 0 nmm Cla 2 <sup>010</sup> 0 0 0 0 0	1 0 ssification = i 0 0 0 0 0 1 0	$ \begin{array}{c} 0 \\ 0 \\ = \mathbb{Z}_{M}^{3}  X_{\mathrm{I}} \\ 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline 5, \overline{25}, 5, \overline{25} \\ \hline 3S = \mathbb{Z}_{12}  \text{SI} = \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline \hline 44 \\ \hline \overline{22} \\ \hline \overline{66} \\ \hline 1\overline{1} \\ \hline \underline{22} \\ \hline \overline{33} \\ \end{array}$	$\begin{array}{c} Cm_{(6)}^{001} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline 6600 \\ 1\overline{100} \\ 2\overline{200} \\ \overline{3300} \end{array}$	$   \begin{array}{r}     12, \overline{12} \\     \hline     66 \\     \hline     22 \\     \hline     44 \\     1\overline{1} \\     2\overline{2} \\     3\overline{3}   \end{array} $	
$ \begin{array}{c c} 554 \\ \hline 555 \\ \hline  & \mathbb{Z}_{12} \\ 0 \\ 0 \\ 0 \\ 7 \\ 2 \\ 9 \\ 4 \end{array} $	(0020) (0020) (0020) weak (0012) (006) (002) (006) (001) (002) (003) (004)	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 191.2 \\ \{1 00\frac{1}{2}\}* \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{array} $	$ \begin{array}{c} 1 \\ 0 \\ 242  P_c 6/n \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	1 0 mm Cla 2 <sup>010</sup> 0 0 0 0 0 0	1 0 ssification = i 0 0 0 0 0 1	$ \begin{array}{c c} 0 \\ 0 \\ \hline 0 \\ \hline 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline 5, \overline{25}, 5, \overline{25} \\ \hline 3S = \mathbb{Z}_{12}  \text{SI} = \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline \overline{44} \\ \hline \overline{22} \\ \hline \overline{66} \\ \hline 1\overline{1} \\ \hline \underline{22} \\ \hline \overline{33} \\ \hline 4\overline{4} \\ \hline \end{array}$	$\begin{array}{c} Cm_{(6)}^{001} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline 6600 \\ 1\overline{100} \\ 2\overline{200} \\ 3\overline{300} \\ 4\overline{400} \end{array}$	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \\ 1\overline{1} \\ 2\overline{2} \\ \overline{33} \\ 4\overline{4} \end{array} $	
$ \begin{array}{c c} 554 \\ \hline 555 \\ \hline  & \mathbb{Z}_{12} \\ 0 \\ 0 \\ 0 \\ 7 \\ 2 \\ 9 \end{array} $	(0020) (0020) (0020) weak (0012) (00\overline{6}) (00\overline{2}) (00\overline{6}) (002) (003)	$ \begin{array}{c} 0 \\ 0 \\ \hline 191.2 \\ \{1 00\frac{1}{2}\}* \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} $	$ \begin{array}{c} 1 \\ 0 \\ 242  P_c 6/m \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	1 0 nmm Cla 2 <sup>010</sup> 0 0 0 0 0	1 0 ssification = i 0 0 0 0 0 1 0	$ \begin{array}{c c} 0 \\ 0 \\ \hline 0 \\ \hline 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline 5, \overline{25}, 5, \overline{25} \\ \hline BS = \mathbb{Z}_{12}  SI = \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline \overline{44} \\ \hline \overline{22} \\ \hline \overline{66} \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \end{array}$	$\begin{array}{c} Cm_{(6)}^{001} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline 6600 \\ 1\overline{100} \\ 2\overline{200} \\ 3\overline{3}00 \\ 4\overline{4}00 \\ 5\overline{5}00 \\ \end{array}$	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \end{array} $	
$ \begin{array}{c c} 554 \\ \hline 555 \\ \hline  & \mathbb{Z}_{12} \\ 0 \\ 0 \\ 0 \\ 7 \\ 2 \\ 9 \\ 4 \end{array} $	(0020) (0020) (0020) weak (0012) (006) (002) (006) (001) (002) (003) (004)	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 191.2 \\ \{1 00\frac{1}{2}\}* \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{array} $	$ \begin{array}{c} 1 \\ 0 \\ 242  P_c 6/n \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	1 0 mm Cla 2 <sup>010</sup> 0 0 0 0 0 0	1 0 ssification = i 0 0 0 0 1 0 1	$ \begin{array}{c c} 0 \\ \hline 0 \\ \hline 0 \\ \hline 2^{110} \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline 5, \overline{25}, 5, \overline{25} \\ \hline 3S = \mathbb{Z}_{12}  \text{SI} = \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline \overline{44} \\ \hline \overline{22} \\ \hline \overline{66} \\ \hline 1\overline{1} \\ \hline \underline{22} \\ \hline \overline{33} \\ \hline 4\overline{4} \\ \hline \end{array}$	$\begin{array}{c} Cm_{(6)}^{001} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline 6600 \\ 1\overline{100} \\ 2\overline{200} \\ 3\overline{300} \\ 4\overline{400} \end{array}$	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \\ 1\overline{1} \\ 2\overline{2} \\ \overline{33} \\ 4\overline{4} \end{array} $	
$ \begin{array}{c c} 554 \\ 555 \\ \hline  & \mathbb{Z}_{12} \\ 0 \\ 0 \\ 0 \\ 7 \\ 2 \\ 9 \\ 4 \\ 11 \end{array} $	(0020) (0020) (0020) weak (0012) (006) (006) (001) (002) (003) (004) (005)	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 191.2 \\ 1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \end{array} $	$ \begin{array}{c} 1 \\ 0 \\ 242 P_c 6/n \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	1 0 nmm Cla 2 <sup>010</sup> 0 0 0 0 0 0	1 0 ssification = i 0 0 0 0 1 0 1 0	$ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} $ $ = \mathbb{Z}_{M}^{3}  X_{\mathbf{F}} $ $ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline 5, \overline{25}, 5, \overline{25} \\ \hline BS = \mathbb{Z}_{12}  SI = \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline \overline{44} \\ \hline \overline{22} \\ \hline \overline{66} \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \end{array}$	$\begin{array}{c} Cm_{(6)}^{001} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline 6600 \\ 1\overline{100} \\ 2\overline{200} \\ 3\overline{3}00 \\ 4\overline{4}00 \\ 5\overline{5}00 \\ \end{array}$	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \end{array} $	
$ \begin{array}{c c} 554 \\ 555 \\ \hline  & \\ \hline  & \\  & \\  & \\  & \\  & \\  & $	(0020) (0020) (0020) (0020) (0012) (006) (001) (002) (003) (004) (005) (006)	$ \begin{array}{c} 0 \\ 0 \\ \hline 191.2 \\ \{1 00\frac{1}{2}\}* \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \end{array} $	$ \begin{array}{c} 1 \\ 0 \\ 242  P_c 6/m \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	1 0 nmm Cla 2 <sup>010</sup> 0 0 0 0 0 0 0	1 0 ssification = i 0 0 0 0 1 0 1 0 1	$\begin{array}{c} 0 \\ 0 \\ 0 \\ \end{array}$ $= \mathbb{Z}_{M}^{3}  X_{1}$ $\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	$ \begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline 5, \overline{25}, 5, \overline{25} \end{array} $ $ \begin{array}{c} Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline 44 \\ \hline 22 \\ \hline 66 \\ 1\overline{1} \\ 2\overline{2} \\ \hline 3\overline{3} \\ 4\overline{4} \\ \hline 5\overline{5} \\ 6\overline{6} \end{array} $	$\begin{array}{c} Cm^{001}_{(6)} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline 6600 \\ 1\overline{100} \\ 2\overline{200} \\ 3\overline{300} \\ 4\overline{400} \\ 5\overline{500} \\ 6\overline{600} \\ \end{array}$	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ \overline{66} \end{array} $	
$ \begin{array}{c c} 554 \\ \hline 555 \\ \hline  & \\ \hline  & \\  & \\  & \\  & \\  & \\  & $	(0020) (0020) (0020) (0020) (006) (002) (006) (003) (004) (005) (006) (007)	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 191.2 \\ 100\frac{1}{2} \} * \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \end{array} $	$ \begin{array}{c} 1 \\ 0 \\ 242  P_c 6/m \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	1 0 nmm Cla 2 <sup>010</sup> 0 0 0 0 0 0 0	1 0 ssification = i 0 0 0 0 1 0 1 0 1 0	$\begin{array}{c c} 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 2^{110} \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline 5, \overline{25}, 5, \overline{25} \\ \hline BS = \mathbb{Z}_{12}  SI = \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline \overline{44} \\ \hline \overline{22} \\ \hline \overline{66} \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \\ \end{array}$	$\begin{array}{c} Cm_{(6)}^{001} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline \overline{6}600 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \\ 4\overline{4}00 \\ 5\overline{5}00 \\ 6\overline{6}00 \\ 7\overline{7}00 \\ \end{array}$	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ 22 \\ \overline{44} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ 6\overline{6} \\ 7\overline{7} \end{array} $	
$ \begin{array}{c c} 554 \\ \hline 555 \\ \hline  & \\ \hline  & \\  & \\  & \\  & \\  & \\  & $	(0020) (0020) (0020) (0020) (006) (002) (006) (001) (002) (003) (004) (005) (006) (007) (008)	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 191.2 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c} 1 \\ 0 \\ 242  P_c 6/m \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	1 0 nmm Cla 2 <sup>010</sup> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 ssification = i 0 0 0 0 1 0 1 0 1 0 1	$\begin{array}{c c} 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 2^{110} \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline 5, \overline{25}, 5, \overline{25} \\ \hline BS = \mathbb{Z}_{12}  SI = \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline \hline 44 \\ \hline \overline{22} \\ \hline \overline{66} \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \end{array}$	$\begin{array}{c} Cm_{(6)}^{001} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline 6600 \\ 1\overline{100} \\ 2\overline{200} \\ 3\overline{300} \\ 4\overline{400} \\ 5\overline{500} \\ 6\overline{600} \\ 7\overline{700} \\ 8\overline{800} \\ \end{array}$	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \\ 1\overline{1} \\ 2\overline{2} \\ \overline{33} \\ 4\overline{4} \\ \overline{55} \\ \overline{66} \\ \overline{77} \\ 8\overline{8} \end{array} $	
$ \begin{array}{c c} 554 \\ \hline 555 \\ \hline                            $	(0020) (0020) (0020) (0020) (006) (002) (006) (001) (002) (003) (004) (005) (006) (007) (008) (009)	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 191.2 \\ \{1 00\frac{1}{2}\}* \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c} 1 \\ 0 \\ 242  P_c 6/n \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	1 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0	1 0 ssification = i 0 0 0 1 0 1 0 1 0 1 0 1	$\begin{array}{c} 0 \\ 0 \\ 0 \\ \end{array}$ $= \mathbb{Z}_{M}^{3}  X_{I}$ $\begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline 5, \overline{25}, 5, \overline{25} \\ \hline 3S = \mathbb{Z}_{12}  SI = \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline 44 \\ \hline \overline{22} \\ \hline \overline{66} \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \end{array}$	$\begin{array}{c} Cm_{(6)}^{001} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline 6600 \\ 1\overline{1}00 \\ 2\overline{2}00 \\ 3\overline{3}00 \\ 4\overline{4}00 \\ 5\overline{5}00 \\ 6\overline{6}00 \\ 7\overline{7}00 \\ 8\overline{8}00 \\ 9\overline{9}00 \\ \end{array}$	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \\ 1\overline{1} \\ 2\overline{2} \\ \overline{33} \\ 4\overline{4} \\ 5\overline{5} \\ \overline{66} \\ 7\overline{7} \\ 8\overline{8} \\ 9\overline{9} $	
$ \begin{array}{c c} 554 \\ 555 \\ \hline  & \\ \hline  & \\  & \\  & \\  & \\  & \\  & $	(0020) (0020) (0020) (0020) (0012) (006) (002) (006) (001) (002) (003) (004) (005) (006) (007) (008) (009) (0010)	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 191.2 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c} 1 \\ 0 \\ 242  P_c 6/m \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	1 0 nmm Cla 2 <sup>010</sup> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 ssification = i 0 0 0 0 1 0 1 0 1 0 1 0 1	$\begin{array}{c} 0 \\ 0 \\ 0 \\ \end{array}$ $= \mathbb{Z}_{M}^{3} \times X_{\mathrm{I}}$ $\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline 5, \overline{25}, 5, \overline{25} \\ \hline BS = \mathbb{Z}_{12}  SI : \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline \overline{44} \\ \hline \overline{22} \\ \hline \overline{66} \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline \end{array}$	$\begin{array}{c} Cm^{001}_{(6)} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline 6600 \\ 1\overline{100} \\ 2\overline{200} \\ 3\overline{300} \\ 4\overline{400} \\ 5\overline{500} \\ 6\overline{600} \\ 7\overline{700} \\ 8\overline{800} \\ 9\overline{900} \\ 10, \overline{10}, 0, 0 \\ 11, \overline{11}, 0, 0 \\ \end{array}$	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ \overline{66} \\ 7\overline{7} \\ 8\overline{8} \\ 9\overline{9} \\ 10, \overline{10} \end{array} $	
$ \begin{array}{c c} 554 \\ \hline 555 \\ \hline                            $	(0020) (0020) (0020) (0020) (006) (000) (006) (001) (002) (003) (004) (005) (006) (007) (008) (009) (0010) (0011)	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 191.5 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c c} 1 \\ 0 \\ 242 & P_c6/n \\ \hline 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	1 0 mm Cla 2010 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 ssification = i 0 0 0 0 0 0 1 0 0 0 1 0	$\begin{array}{c} 0 \\ 0 \\ 0 \\ \end{array}$ $= \mathbb{Z}_{M}^{3}  X_{\mathrm{H}}$ $\begin{array}{c} 2^{110} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline 5, \overline{25}, 5, \overline{25} \\ \hline 3S = \mathbb{Z}_{12}  \text{SI} = \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline \hline 44 \\ \hline 22 \\ \hline \overline{66} \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline = \mathbb{Z}_6  \text{SI} = z \\ \hline \end{array}$	$\begin{array}{c} Cm^{001}_{(6)} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline 6600 \\ 1\overline{100} \\ 2\overline{200} \\ 3\overline{300} \\ 4\overline{400} \\ 5\overline{500} \\ 6\overline{600} \\ 7\overline{700} \\ 8\overline{800} \\ 9\overline{900} \\ 10, \overline{10}, 0, 0 \\ 11, \overline{11}, 0, 0 \\ \end{array}$	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ \overline{66} \\ 7\overline{7} \\ 8\overline{8} \\ 9\overline{9} \\ 10, \overline{10} \end{array} $	
$ \begin{array}{c c} 554 \\ 555 \\ \hline  & \\ \hline  & \\ \hline  & \\  & \\  & \\  & \\  $	(0020) (0020) (0020) (0020)  weak (0012) (006) (007) (008) (009) (0010) (0011)	$ \begin{array}{c} 0 \\ 0 \\ \hline 0 \\ \hline 191.2 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$ \begin{array}{c} 1 \\ 0 \\ 242  P_c 6/n \\ 6^{001} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	1 0 nmm Cla 2010 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 1\\ 0\\ \\ ssification = i\\ 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\\ 1\\ 0\\ 1\\ 0\\ 1\\ 0\\ 1\\ 0\\ 0\\ 1\\ 0\\ 0\\ 1\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	$\begin{array}{c} 0 \\ 0 \\ 0 \\ \end{array}$ $= \mathbb{Z}_{M}^{3} \times_{\mathbb{R}} \times$	$\begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline 5, \overline{25}, 5, \overline{25} \\ \hline BS = \mathbb{Z}_{12}  SI = \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline \overline{44} \\ \hline \overline{22} \\ \hline \overline{66} \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline = \mathbb{Z}_6  SI = 2 \\ \hline Cm_{(6)}^{001} \\ \hline \end{array}$	$\begin{array}{c} Cm^{001}_{(6)} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline 6600 \\ 1\overline{100} \\ 2\overline{200} \\ 3\overline{300} \\ 4\overline{400} \\ 5\overline{500} \\ 6\overline{600} \\ 7\overline{700} \\ 8\overline{800} \\ 9\overline{900} \\ 10, \overline{10}, 0, 0 \\ 11, \overline{11}, 0, 0 \\ \end{array}$	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ \overline{66} \\ 7\overline{7} \\ 8\overline{8} \\ 9\overline{9} \\ 10, \overline{10} \end{array} $	
$ \begin{array}{c c} 554 \\ 555 \\ \hline  & \\  & \\  & \\  & \\  & \\  & \\  & \\ $	(0020) (0020) (0020) (0020) (002) (006) (002) (003) (004) (005) (006) (007) (008) (009) (0010) (0011) weak (000)	$\begin{array}{c} 0\\ 0\\ 0\\ \end{array}$ $\begin{array}{c} 191.2\\ \{1 00\frac{1}{2}\}*\\ 1\\ 0\\ 0\\ 0\\ \end{array}$ $\begin{array}{c} 0\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 0\\ \end{array}$ $\begin{array}{c} 1\\ 0\\ 0\\ \end{array}$ $\begin{array}{c} 0\\ 0\\ 0\\ \end{array}$	$ \begin{array}{c} 1\\ 0\\ 242 P_c6/n\\ 6^{001}\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	1 0 nmm Cla 2010 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 1 \\ 0 \\ \\ \text{ssification} = \\ i \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0$	$\begin{array}{c} 0\\ 0\\ 0\\ \end{array}$ $= \mathbb{Z}_{M}^{3}  X_{\mathrm{H}}\\ 2^{110}\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	$\begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline 5, \overline{25}, 5, \overline{25} \\ \hline 3S = \mathbb{Z}_{12}  SI = \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline 44 \\ \hline \overline{22} \\ \hline \overline{66} \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline = \mathbb{Z}_6  SI = 2 \\ \hline Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline \end{array}$	$\begin{array}{c} Cm^{001}_{(6)} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline 6600 \\ 1\overline{100} \\ 2\overline{200} \\ 3\overline{300} \\ 4\overline{400} \\ 5\overline{500} \\ 6\overline{600} \\ 7\overline{700} \\ 8\overline{800} \\ 9\overline{900} \\ 10, \overline{10}, 0, 0 \\ 11, \overline{11}, 0, 0 \\ \end{array}$	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ \overline{66} \\ 7\overline{7} \\ 8\overline{8} \\ 9\overline{9} \\ 10, \overline{10} \end{array} $	
$ \begin{array}{c c} 554 \\ 555 \\ \hline \mathbb{Z}_{12} \\ 0 \\ 0 \\ 0 \\ 0 \\ 7 \\ 2 \\ 9 \\ 4 \\ 11 \\ 6 \\ 1 \\ 8 \\ 3 \\ 10 \\ 5 \\ \hline \mathbb{Z}_{6} \\ 0 \\ 0 \\ 0 \end{array} $	(0020) (0020) (0020) (0020) (006) (006) (001) (002) (003) (004) (005) (006) (007) (008) (009) (0010) (0011) weak (000) (000)	$\begin{array}{c} 0\\ 0\\ 0\\ \end{array}$ $\begin{array}{c} 191.2\\ \{1 00\frac{1}{2}\}*\\ 1\\ 0\\ 0\\ 0\\ \end{array}$ $\begin{array}{c} 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ \end{array}$ $\begin{array}{c} 1\\ 0\\ 6^{001}\\ 0\\ 0\\ \end{array}$	$ \begin{array}{c} 1\\ 0\\ 242 P_c6/n\\ 6^{001}\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 243 P6/n\\ 2_{00\frac{1}{2}}^{010}\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0 \end{array} $	1 0 nmm Cla 2010 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 1 \\ 0 \\ \\ \text{ssification} = \\ i \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0$	$\begin{array}{c} 0\\ 0\\ 0\\ \end{array}$ $= \mathbb{Z}_{M}^{3}  X_{\mathrm{H}}\\ 2^{110}\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	$\begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline 5, \overline{25}, 5, \overline{25} \\ \hline 3S = \mathbb{Z}_{12}  \text{SI} : \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline 44 \\ \hline 22 \\ \hline 66 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline = \mathbb{Z}_6  \text{SI} = z \\ \hline Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ \hline \end{array}$	$\begin{array}{c} Cm^{001}_{(6)} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline 6600 \\ 1\overline{100} \\ 2\overline{200} \\ 3\overline{300} \\ 4\overline{400} \\ 5\overline{500} \\ 6\overline{600} \\ 7\overline{700} \\ 8\overline{800} \\ 9\overline{900} \\ 10, \overline{10}, 0, 0 \\ 11, \overline{11}, 0, 0 \\ \end{array}$	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ \overline{66} \\ 7\overline{7} \\ 8\overline{8} \\ 9\overline{9} \\ 10, \overline{10} \end{array} $	
$ \begin{array}{c c} 554 \\ 555 \\ \hline                              $	(0020) (0020) (0020) (0020) (006) (006) (006) (007) (008) (009) (0010) (0011) weak (000) (000)	$\begin{array}{c} 0\\ 0\\ 0\\ \end{array}$ $\begin{array}{c} 191.2\\ \{1 00\frac{1}{2}\}*\\ \\ 0\\ 0\\ 0\\ \end{array}$ $\begin{array}{c} 0\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ \end{array}$ $\begin{array}{c} 1\\ 1\\ 0\\ 6^{001}\\ 0\\ 0\\ \end{array}$	$\begin{array}{c} 1\\ 0\\ \hline 0\\ \hline 0\\ 242 & P_c6/n\\ \hline 0\\ 0\\ 0\\ \hline 0\\ 0\\ 0\\ \hline 0\\ 0\\ 0\\ \hline 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\\ 0\\ 0\\ 0\\ $	1 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 1 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	$\begin{array}{c} 0\\ 0\\ 0\\ \end{array}$ $= \mathbb{Z}_{M}^{3}  X_{\mathrm{H}}\\ 2^{110}\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	$\begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline 5, \overline{25}, 5, \overline{25} \\ \hline 3S = \mathbb{Z}_{12}  SI = \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline 44 \\ \hline \overline{22} \\ \hline 66 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline = \mathbb{Z}_6  SI = z \\ \hline Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline \end{array}$	$\begin{array}{c} Cm^{001}_{(6)} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline 6600 \\ 1\overline{100} \\ 2\overline{200} \\ 3\overline{300} \\ 4\overline{400} \\ 5\overline{500} \\ 6\overline{600} \\ 7\overline{700} \\ 8\overline{800} \\ 9\overline{900} \\ 10, \overline{10}, 0, 0 \\ 11, \overline{11}, 0, 0 \\ \end{array}$	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ \overline{66} \\ 7\overline{7} \\ 8\overline{8} \\ 9\overline{9} \\ 10, \overline{10} \end{array} $	
$ \begin{array}{c c} 554 \\ \hline 555 \\ \hline                            $	(0020) (0020) (0020) (0020) (0020) (006) (0002) (006) (007) (008) (009) (0010) (0011) (000) (000)	$\begin{array}{c} 0\\ 0\\ 0\\ \end{array}$ $\begin{array}{c} 191.2\\ \{1 00\frac{1}{2}\}*\\ \\ 0\\ 0\\ 0\\ \end{array}$ $\begin{array}{c} 0\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ \end{array}$ $\begin{array}{c} 1\\ 1\\ 1\\ 0\\ \end{array}$ $\begin{array}{c} 0\\ 0\\ 0\\ \end{array}$	$\begin{array}{c} 1\\ 0\\ 0\\ 242 \ P_c6/n\\ 6^{001}\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	1 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 1 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} 0\\ 0\\ 0\\ \end{array}$ $= \mathbb{Z}_{M}^{3}  X_{\mathrm{H}}\\ 2^{110}\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	$\begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, 2\overline{5} \\ \hline 5, \overline{25}, 5, 2\overline{5} \\ \hline 3S = \mathbb{Z}_{12}  SI = \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline 44 \\ \hline \overline{22} \\ \hline 66 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 66 \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline = \mathbb{Z}_6  SI = 2 \\ \hline Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline 2\overline{2}00 \\ \hline \end{array}$	$\begin{array}{c} Cm^{001}_{(6)} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline 6600 \\ 1\overline{100} \\ 2\overline{200} \\ 3\overline{300} \\ 4\overline{400} \\ 5\overline{500} \\ 6\overline{600} \\ 7\overline{700} \\ 8\overline{800} \\ 9\overline{900} \\ 10, \overline{10}, 0, 0 \\ 11, \overline{11}, 0, 0 \\ \end{array}$	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ \overline{66} \\ 7\overline{7} \\ 8\overline{8} \\ 9\overline{9} \\ 10, \overline{10} \end{array} $	
$ \begin{array}{c c} 554 \\ 555 \\ \hline                              $	(0020) (0020) (0020) (0020) (006) (006) (006) (007) (008) (009) (0010) (0011) weak (000) (000)	$\begin{array}{c} 0\\ 0\\ 0\\ \end{array}$ $\begin{array}{c} 191.2\\ \{1 00\frac{1}{2}\}*\\ \\ 0\\ 0\\ 0\\ \end{array}$ $\begin{array}{c} 0\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ \end{array}$ $\begin{array}{c} 1\\ 1\\ 0\\ 6^{001}\\ 0\\ 0\\ \end{array}$	$\begin{array}{c} 1\\ 0\\ \hline 0\\ \hline 0\\ 242 & P_c6/n\\ \hline 0\\ 0\\ 0\\ \hline 0\\ 0\\ 0\\ \hline 0\\ 0\\ 0\\ \hline 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\\ 0\\ 0\\ 0\\ $	1 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 1 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} 0\\ 0\\ 0\\ \end{array}$ $= \mathbb{Z}_{M}^{3}  X_{\mathrm{H}}\\ 2^{110}\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	$\begin{array}{c} 5, \overline{25}, 4, \overline{24} \\ 5, \overline{25}, 5, \overline{25} \\ \hline 5, \overline{25}, 5, \overline{25} \\ \hline 3S = \mathbb{Z}_{12}  SI = \\ \hline Cm_{(2)}^{100} \\ \hline 12, \overline{12} \\ \hline 44 \\ \hline \overline{22} \\ \hline 66 \\ \hline 1\overline{1} \\ \hline 2\overline{2} \\ \hline 3\overline{3} \\ \hline 4\overline{4} \\ \hline 5\overline{5} \\ \hline 6\overline{6} \\ \hline 7\overline{7} \\ \hline 8\overline{8} \\ \hline 9\overline{9} \\ \hline 10, \overline{10} \\ \hline 11, \overline{11} \\ \hline = \mathbb{Z}_6  SI = z \\ \hline Cm_{(6)}^{001} \\ \hline 6\overline{6}00 \\ \hline 0000 \\ \hline 1\overline{1}00 \\ \hline \end{array}$	$\begin{array}{c} Cm^{001}_{(6)} \\ 12, \overline{12}, 0, 0 \\ \hline 6600 \\ 0000 \\ \hline 6600 \\ 1\overline{100} \\ 2\overline{200} \\ 3\overline{300} \\ 4\overline{400} \\ 5\overline{500} \\ 6\overline{600} \\ 7\overline{700} \\ 8\overline{800} \\ 9\overline{900} \\ 10, \overline{10}, 0, 0 \\ 11, \overline{11}, 0, 0 \\ \end{array}$	$ \begin{array}{r} 12, \overline{12} \\ \overline{66} \\ \overline{22} \\ \overline{44} \\ 1\overline{1} \\ 2\overline{2} \\ 3\overline{3} \\ 4\overline{4} \\ 5\overline{5} \\ \overline{66} \\ 7\overline{7} \\ 8\overline{8} \\ 9\overline{9} \\ 10, \overline{10} \end{array} $	

5	(000)	0	0	1	0	1	$5\overline{5}00$	
		192.	246 P6'/r	nc'c Class	sification =	$\mathbb{Z}_M$ $X_{\mathrm{BS}}$	$S = \mathbb{Z}_3$ $SI =$	$z_{3m,0}^{+}$
$\overline{\mathbb{Z}_3}$	weak	6001*	$2_{00\frac{1}{2}}^{010}$	i*	$2^{1\overline{10}}_{00\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{010}$	$Cm_{(3)}^{001}$	5111,0
0	(000)	1	$00\frac{1}{2}$	0	1	1	$\frac{3\overline{3}00}{3\overline{6}}$	
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	$\frac{2\overline{2}00}{2}$	
	(000)	192.		ncc' Class				+
	1	6001*	,				$S = \mathbb{Z}_3$ $SI = 0.01$	$z_{3m,0}$
$\mathbb{Z}_3$	weak	<u> </u>	$2^{010}_{00\frac{1}{2}}*$	<i>i</i> *	$2^{1\overline{10}}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{010}*$	$Cm_{(3)}^{001}$	
0	(000)	1	1	0	0	0	$3\overline{3}00$	
0	(000)	0	0	0	0	0	0000	
1	(000)	1	1	0	0	0	$1\overline{1}00$	
2	(000)	0	0	0	0	0	$2\overline{2}00$	
				m'c'c Cla			$_{\mathrm{S}}=\mathbb{Z}_{2}$ $\mathrm{SI}=% \left\{ \mathbb{Z}_{2}\right\} =0$	$=z_{2P}'$
$\mathbb{Z}_2$	weak	6001*	$2^{010}_{00\frac{1}{2}}*$	i	$2^{1\overline{10}}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{010}$		
0	(000)	0	0	0	0	0		
1	(000)	1	1	1	0	1		
	, ,	192	2.249 P6'	m'cc' Cla	ssification	$= \mathbb{Z}_2  X_{\mathbf{p}}$	$S = \mathbb{Z}_2$ $SI =$	= % p
$\overline{\mathbb{Z}_2}$	weak	6001*	$\frac{2^{010}_{00\frac{1}{2}}}{2^{010}_{00\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{2^{110}_{00\frac{1}{2}}*}{2^{110}_{00\frac{1}{2}}}$	$g_{00\frac{1}{2}}^{010}*$	5 22 51	~2P
					$\frac{200\frac{1}{2}}{0}$	$\frac{g_{00\frac{1}{2}}}{0}$		
0	(000)	0	0	0	1	0		
1	(000)							1 1
			P6/mc'c'		$on = \mathbb{Z}_M >$	$\langle \mathbb{Z}  X_{BS} =$	$=\mathbb{Z}_{6,6}$ $SI=$	$z_{6m,0}^{\scriptscriptstyle op}, z_{6m,\pi}^{\scriptscriptstyle op}$
$\mathbb{Z}_{6,6}$	weak	$6^{001}$	$2^{010}_{00\frac{1}{2}}*$	i	$2^{110}_{00\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{010}*$	$Cm_{(6)}^{001}$	
00	(000)	0	0	0	0	0	$6\overline{6}00$	
00	$(001\overline{2})$	0	0	0	0	<u> </u>	0, 12, 6, 6	
00	(000)	0	0	0	0	0	0000	
01	$(00\bar{2})$	0	0	1	0	1	0211	
02	$(00\bar{4})$	0	0	0	0	$ar{2}$	0422	
03	$(00\bar{6})$	0	0	1	0	$\bar{3}$	0633	
04	$(00\bar{8})$	0	0	0	0	$\bar{4}$	0844	
05	$(00\bar{10})$	0	0	1	0	5	0, 10, 5, 5	
10	(000)	0	1	1	1	0	$1\overline{1}00$	
11	$(00\bar{2})$	0	1	0	1	<u> </u>	1111	
12	$(00\bar{4})$	0	1	1	1	2	1322	
13	$(00\bar{6})$	0	1	0	1	<u>3</u>	1533	
14	$(00\bar{8})$	0	1	1	1	4	1744	
15	$(00\bar{10})$	0	1	0	1	5	1955	
20	(000)	0	0	0	0	0	$2\overline{2}00$	
21	$(00\bar{2})$	0	0	1	0	<u> </u>	2011	
22	$(00\bar{4})$	0	0	0	0	$\frac{\bar{2}}{\bar{2}}$	2222	
23	$(00\bar{6})$	0	0	1	0	3	2433	
24	$(00\bar{8})$	0	0	0	0	<u> </u>	2644	
25	$(00\bar{10})$	0	0	1	0	5	2855	
30 31	$(000)$ $(00\overline{2})$	0	1	1 0	1	0 1	$\frac{3\overline{3}00}{3\overline{1}11}$	
$\frac{31}{32}$	(002) $(004)$	0	1 1	1	1 1	$\frac{1}{\bar{2}}$	3111	
$\frac{32}{33}$	(004) $(006)$	0	1	0	1	$\frac{2}{3}$	3333	
$\frac{33}{34}$	(008)	0	1	1	1	$\frac{3}{4}$	3544	
$\frac{34}{35}$	(005) $(0010)$	0	1	0	1	$\frac{4}{5}$	3755	
40	(000)	0	0	0	0	0	$\frac{3755}{4\overline{4}00}$	
41	$(000)$ $(00\bar{2})$	0	0	1	0	$\frac{0}{1}$	$\frac{4400}{4\overline{2}11}$	
$\frac{41}{42}$	(002) $(004)$	0	0	0	0	$\frac{1}{2}$	4022	
T	(001)	'	J	J	0	_	1022	

43	$(00\bar{6})$	0	0	1	0	3	4233		
44	(008)	0	0	0	0	4	4444		
45	(0010)	0	0	1	0	5	4655		
50	(000)	0	1	1	1	0	$5\overline{5}00$		
51	$(00\bar{2})$	0	1	0	1	11	$5\overline{3}11$		
52	$(00\bar{4})$	0	1	1	1	$\bar{2}$	$5\overline{1}22$		
53	$(00\bar{6})$	0	1	0	1	<u> </u>	5133		
54	$(00\bar{8})$	0	1	1	1	4	5344		
55	$(00\bar{10})$	0	1	0	1	5	5555		
		192.	$\frac{252}{P_c6/r}$	ncc Class	sification =	$\mathbb{Z}_M$ $X_{BS}$	$= \mathbb{Z}_6  SI =$	$z_{6m,0}^{+}$	
$\mathbb{Z}_6$	weak	$\{1 00\frac{1}{2}\}*$	$6^{001}$	$2^{010}*$	i	$2^{110}*$	$m_{010}*$	$Cm_{(6)}^{001}$	
0	(006)	1	0	0	0	0	0	6600	
0	$(00\overline{2})$	0	0	0	0	0	0	0000	
1	(001)	1	0	1	1	1	0	1100	
2	(002)	1	0	0	0	0	0	$2\overline{2}00$	
3	(003)	1	0	1	1	1	0	$3\overline{3}00$	
4	(004)	1	0	0	0	0	0	$4\overline{4}00$	
5	(005)	1	0	1	1	1	0	$5\overline{5}00$	
	/	193.2	$P_{6_0}/r_0$	ncm Clas	sification -	- 7/2 - Xpc	$S = \mathbb{Z}_6$ $SI =$		
$\mathbb{Z}_6$	weak		$\frac{2^{010}_{00\frac{1}{2}}}{2^{000\frac{1}{2}}}$	$\frac{i}{i}$	$\frac{2^{110}}{}$	$\frac{- Z_M R_{\rm BS}}{Cm_{(2)}^{100}}$	$\frac{S - Z_6  SI - Cm_{(6)}^{001}}{Cm_{(6)}^{001}}$	$\sim 6m,0$	
		$6_{00\frac{1}{2}}^{001}$							
0	(000)	0	0	0	0	6 <u>6</u>	6600		
0	(000)	0	0	0	0	$\frac{2\overline{2}}{\overline{2}}$	0000		
0	(000)	0	0	0	0	<u>2</u> 2	0000		
1	(000)	0	0	1	0	$1\overline{1}$	$1\overline{1}00$		
2	(000)	0	0	0	0	$2\overline{2}$	$2\overline{2}00$		
3	(000)	0	0	1	0	33	3300		
4	(000)	0	0	0	0	$4\overline{4}$	4400		
5	(000)	0	0	1	0	$5\overline{5}$	$5\overline{5}00$		
		193.2	$56 P6_3/n$		ssification =	$=\mathbb{Z}_M^2-\mathrm{X}_{\mathrm{BS}}$	$S = \mathbb{Z}_3$ $SI =$	$z_{3m,0}^{+}$	
$\mathbb{Z}_3$	weak	$6^{001}_{00\frac{1}{2}}*$	$2^{010}_{00\frac{1}{2}}$	i*	$2^{110}*$	$Cm_{(0)}^{100}$	$Cm_{(3)}^{001}$		
0	(000)	1	0	0	1	$\overline{3\overline{3}}$	3300		
0	(000)	0	0	0	0	$2\overline{2}$	0000		
0	(000)	0	0	0	0	$\overline{2}2$	0000		
1	(000)	1	0	0	1	11	$1\overline{1}00$		
2	(000)	0	0	0	0	$2\overline{2}$	$2\overline{2}00$		
		193 2	57 P6' <sub>2</sub> /n	ncm' Clas	ssification =	= Z <sub>M</sub> X <sub>D</sub>	$S = \mathbb{Z}_3$ $SI =$	z+	
$\mathbb{Z}_3$	weak		$\frac{2^{010}_{00\frac{1}{2}}*}{2^{00\frac{1}{2}}}$	$\frac{i*}{i*}$	$\frac{2^{110}}{}$	$\frac{-2M}{m_{010}}*$	$\frac{Cm_{(3)}^{001}}{Cm_{(3)}^{001}}$	~3m,0	
		$6^{001}_{00\frac{1}{2}}*$							
0	(000)	1	$\frac{1}{2}$	0	0	0	3300		
0	(000)	0	0	0	0	0	0000		
1	(000)	1	1	0	0	0	$1\overline{1}00$		
2	(000)	0	0	0	0	0	$2\overline{2}00$		
		193.2		n'c'm Cla	assification		$_{\mathrm{BS}}=\mathbb{Z}_{2}$ SI:	$=z'_{2P}$	
$\overline{\mathbb{Z}_2}$	weak	$6^{001}_{00\frac{1}{2}}*$	$2^{010}_{00\frac{1}{2}}*$	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	$1\overline{1}$			
		193.5	259 <i>P6'.</i> /	m'cm' C1			$_{\mathrm{SS}}=\mathbb{Z}_{2}$ SI =	= 2/2 E	
$\overline{\mathbb{Z}_2}$	weak	$6_{00\frac{1}{2}}^{001} *$	$\frac{200 \cdot 10_{3/4}}{2_{00\frac{1}{2}}^{010}}$	$\frac{i}{i}$	$\frac{2^{110}*}{}$	$\frac{-22}{m_{010}*}$	D 22 DI-	~2P	
0	(000)	0	0	0	0	0			
1	(000)	1	0		1	0			
		193.260 P	$6_3/mc'm'$	Classifica	$tion = \mathbb{Z}_M$	$\times \mathbb{Z}  X_{BS}$	$=\mathbb{Z}_{3,6}$ SI $=$	$z_{3m,\pi}^+, z_{6m,0}^+$	

		001	010		110		- 001		
$\mathbb{Z}_{3,6}$	weak	$6^{001}_{00\frac{1}{2}}$	$2^{010}_{00\frac{1}{2}}*$	i	$2^{110}*$	$m_{010}*$	$Cm_{(6)}^{001}$		
00	(006)	3	1	0	0	0	$0\overline{633}$		
00	(0012)	6	0	0	0	0	$\overline{30}, 18, \overline{6}, \overline{6}$		
00	$(00\bar{6})$	$\bar{3}$	1	0	0	0	$12, \overline{6}, 3, 3$		
01	(002)	1	0	1	1	0	$\overline{5}3\overline{11}$		
02	(004)	2	0	0	0	0	$\overline{10}, 6, \overline{2}, \overline{2}$		
03	(006)	3	0	1	1	0	$\overline{15}, 9, \overline{3}, \overline{3}$		
04	(008)	4	0	0	0	0	$\overline{20}, 12, \overline{4}, \overline{4}$		
05	(0010)	5	0	1	1	0	$25, 15, \overline{5}, \overline{5}$		
10	(002)	1	1	0	0	0	$0\overline{211}$		
11	(004)	2	1	1	1	0	$\overline{5}1\overline{22}$		
12	(006)	3	1	0	0	0	$\overline{10}, 4, \overline{3}, \overline{3}$		
13	(008)	4	1	1	1	0	$\overline{15}, 7, \overline{4}, \overline{4}$		
14	(0010)	5	1	0	0	0	$\frac{20, 10, \overline{5}, \overline{5}}{20, 10, \overline{5}, \overline{5}}$		
15	(0012)	6	1	1	1	0	$\frac{25,13,\overline{6},\overline{6}}{25,13,\overline{6},\overline{6}}$		
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	$\frac{15, 2, 1, 1}{15, 5, \overline{5}, \overline{5}}$		
24	(0012)	6	0	0	0	0	$\frac{\overline{20,8,\overline{6},\overline{6}}}{\overline{20},8,\overline{6},\overline{6}}$		
$\frac{24}{25}$	(0012)	7	0	1	1	0	$\frac{25, 5, 5, 5, 7}{25, 11, 7, 7}$		
	(0014)							<u>+</u>	
		193.20		mcm Class	sification =		$S = \mathbb{Z}_6$ $SI = 0$	$z_{6m,0}$	
$\mathbb{Z}_6$	weak	$\{1 00\frac{1}{2}\}*$	6 <sup>001</sup> *	$2^{010}_{00\frac{1}{2}}$	$i_{00\frac{1}{2}}*$	$2^{110}_{00\frac{1}{2}}*$	$Cm_{(2)}^{100}$	$Cm_{(6)}^{001}$	
0	(006)	1	0	0	0	0	$6\overline{6}$	$6\overline{6}00$	
0	(000)	0	0	0	0	0	$2\overline{2}$	0000	
0	$(00\bar{2})$	0	0	0	0	0	$\overline{2}2$	0000	
1	(001)	1	1	0	0	1	$1\overline{1}$	$1\overline{1}00$	
2	(002)	1	0	0	0	0	$2\overline{2}$	$2\overline{2}00$	
3	(003)	1	1	0	0	1	$3\overline{3}$	$3\overline{3}00$	
4	(004)	1	0	0	0	0	$4\overline{4}$	$4\overline{4}00$	
5	(005)	1	1	0	0	1	$5\overline{5}$	$5\overline{5}00$	
		194.2	$63 P6_3/r$	nmc Class	sification =	$\mathbb{Z}^2$ $\mathbb{X}_{\mathbb{R}^2}$	$S = \mathbb{Z}_6$ $SI =$	z+, o	
$\mathbb{Z}_6$	weak	$6^{001}_{00\frac{1}{2}}$	$\frac{2^{010}}{2^{010}}$	i	$2^{110}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{010}$	$Cm_{(2)}^{110}$	$Cm_{(6)}^{001}$	
-									
0	(000)	0	0	0	0	0	$\frac{6\overline{6}}{2\overline{2}}$	6600	
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{\overline{2}}$	0000	
0	(000)	0	0	0	0	0	$\overline{22}$	0000	
1	(000)	0	0	1	0	1	$\frac{1\overline{1}}{2\overline{2}}$	$1\overline{1}00$	
2	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}00$	
3	(000)	0	0	1	0	1	33	3300	
4	(000)	0	0	0	0	0	$\frac{4\overline{4}}{\overline{z}}$	$4\overline{4}00$	
5	(000)	0	0	1	0	1	$5\overline{5}$	$5\overline{5}00$	
		194.20	$66 P6_3/n$	nm'c Class	sification =	$=\mathbb{Z}_M$ $X_{\mathrm{B}}$	$S = \mathbb{Z}_3$ $SI =$	$z_{3m,0}^{+}$	
$\mathbb{Z}_3$	weak	$6^{001}_{00\frac{1}{2}}*$	$2^{010}$	i*	$2^{1\bar{1}0}_{00\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{010}$	$Cm_{(3)}^{001}$	,	
0	(000)	1	0	0	1	1	$3\overline{3}00$		
0	(000)	0	0	0	0	0	0000		
1	(000)	1	0	0	1	1	$\frac{1100}{100}$		
2	(000)	0	0	0	0	0	$\frac{1100}{2\overline{2}00}$		
	(000)							+	
	, ,	194.20	$\frac{0}{2010} P_{3}^{6}/n$	nmc' Class	SINCATION =	$= \mathbb{Z}_{M} X_{\mathrm{B}}$	$S = \mathbb{Z}_3$ $SI = \mathbb{Z}_3$	$z_{3m,0}$	
$\mathbb{Z}_3$	weak	$6^{001}_{00\frac{1}{2}}*$	$2^{010}*$	i*	$2^{1\overline{10}}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{010}*$	$Cm_{(0)}^{110}$	$Cm_{(3)}^{001}$	
0	(000)	1	1	0	0	0	$3\overline{3}$	$3\overline{3}00$	
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	0	$1\overline{1}$	$1\overline{1}00$	

2	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}00$		
		194.2		m'm'c C	lassification		$X_{BS} = \mathbb{Z}_2$ $SI =$	$z_{2P}'$		
$\mathbb{Z}_2$	weak	$6^{001}_{00\frac{1}{2}}*$	$2^{010}*$	i	$2^{1\overline{10}}_{00\frac{1}{2}}$	$g_{00\frac{1}{2}}^{010}$				
0	(000)	0	0	0	0	0				
1	(000)	1	1	1	0	1				
		194.2	$69 P6'_3/r$	m'mc' Cl	assification =	$=\mathbb{Z}_{M}$	$X_{BS} = \mathbb{Z}_2$ $SI =$	$=z'_{2P}$		
$\mathbb{Z}_2$	weak	$6^{001}_{00\frac{1}{2}}*$	$2^{010}$	i	$2^{110}_{00\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{010}*$	$Cm_{(2)}^{110}$			
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 Pe	$6_3/mm'c'$	Classifica	$tion = \mathbb{Z}_M >$	$\langle \mathbb{Z} - X_{\mathrm{E}} \rangle$	$_{\mathrm{BS}} = \mathbb{Z}_{3,6}  \mathrm{SI} =$	$z_{3m,\pi}^+, z_{6m,0}^+$	)	
$\mathbb{Z}_{3,6}$	weak	$6^{001}_{00\frac{1}{2}}$	$2^{010}*$	i	$2^{1\overline{10}}_{00\frac{1}{2}}*$	$g_{00\frac{1}{2}}^{010}*$	$Cm_{(6)}^{001}$	,		
00	(006)	3	0	0	1	3	0633			
00	(0012)	6	0	0	0	6	$\overline{30}, 18, \overline{6}, \overline{6}$			
00	$(00\bar{6})$	3	0	0	1	$\bar{3}$	$12, \overline{6}, 3, 3$			
01	(002)	1	1	1	0	1	5311			
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	0	0	0	5	$ \begin{array}{r} \overline{25}, 15, \overline{5}, \overline{5} \\ 0\overline{211} \end{array} $			
$\frac{10}{11}$	(002)	2	1	1	1 1	$\frac{1}{2}$	$\frac{511}{5122}$			
$\frac{11}{12}$	(004)	3	0	0	1	$\frac{2}{3}$	$\frac{3122}{10,4,\overline{3},\overline{3}}$			
13	(008)	4	1	1	1	4	$\frac{15, 1, 5, 5}{15, 7, \overline{4}, \overline{4}}$			
14	(0010)	5	0	0	1	5	$\overline{20}, 10, \overline{5}, \overline{5}$			
15	(0012)	6	1	1	1	6	$\overline{25}, 13, \overline{6}, \overline{6}$			
20	(004)	2	0	0	0	2	$0\overline{422}$			
21	(006)	3	1	1	0	3	$\overline{5133}$			
22	(008)	4	0	0	0	4	$\overline{10}, 2, \overline{4}, \overline{4}$			
23	(0010)	5	1	1	0	5	$\overline{15}, 5, \overline{5}, \overline{5}$			
24	(0012)	6	0	0	0	6	$\overline{20}, 8, \overline{6}, \overline{6}$			
25	(0014)	7	1	1	0	7	$\overline{25}, 11, \overline{7}, \overline{7}$			
	-	194.2	$\frac{72  P_c 6_3}{1}$	mmc Cla	ssification =	$\mathbb{Z}_M^2$ $\Sigma$	$X_{\mathrm{BS}} = \mathbb{Z}_6  \mathrm{SI} = \mathbb{Z}_6$	$z_{6m,0}^{+}$	-: 010	
$\mathbb{Z}_6$	weak	$\{1 00\frac{1}{2}\}*$	6 <sup>001</sup> *	$2^{010}_{00\frac{1}{2}}*$	$i_{00\frac{1}{2}}*$	$2^{110}_{00\frac{1}{2}}$	$m_{010}*$	$Cm_{(6)}^{001}$	$Cm_{(2)}^{210}$	
0	(006)	1	0	0	0	0	0	$6\overline{6}00$	<u>6</u> 6	
0	$(00\bar{2})$	0	0	0	0	0	0	0000	$\overline{2}2$	
	(000)	0	0	0	0	0	0	1100	$2\overline{2}$	
$\frac{1}{2}$	(001)	1 1	$\frac{1}{0}$	$\frac{1}{0}$	0	0	0	$\frac{1\overline{1}00}{2\overline{2}00}$	$\frac{1\overline{1}}{2\overline{2}}$	
$\frac{2}{3}$	(002)	1	1	1	0	0	0	$\frac{2200}{3\overline{3}00}$	$\frac{22}{3\overline{3}}$	
4	(004)	1	0	0	0	0	0	$\frac{3500}{4\overline{4}00}$	$\frac{35}{4\overline{4}}$	
5	(005)	1	1	1	0	0	0	$\frac{5500}{5}$	$\frac{11}{5\overline{5}}$	
	,	200.1	$4 Pm\bar{3}$	Classificat	$tion = \mathbb{Z}_M^2$	X <sub>DC</sub> =	$\mathbb{Z}_{2,4}$ SI = $z'_{2P,1}$			
$\overline{\mathbb{Z}_{2,4}}$	weak	3111	$\frac{1}{2^{100}}$	$\frac{i}{i}$	$\frac{Cm_{(2)}^{100}}{Cm_{(2)}^{100}}$	03	$=2,4$ $\approx 1$ $\approx 2P,1$	,~4P		
$\frac{-22,4}{00}$	(000)	0	0	0	$\frac{\overline{2}22\overline{2}}{\overline{2}}$					
00	(000)	0	0	0	$\frac{4400}{4}$					
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	1111					
13	(000)	0	0	1	$001\overline{1}$					
12	(000)	0	0	0	1111					

11	(000)	0	0	1	$2\overline{2}1\overline{1}$			
			$200.17 P_{IR}$	$\bar{a}$ Classi	fication = $\mathbb{Z}_M$	$X_{BS} = \mathbb{Z}_4$	$SI = z'_{AB}$	
$\overline{\mathbb{Z}_4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$		$2^{100}$	$\frac{1}{i}$	$Cm_{(2)}^{010}$	~4P	
0	$(\overline{4}\overline{4}\overline{4})$	1	0	0	0	$\frac{4\overline{400}}{4\overline{400}}$		
0	(222)	0	0	0	0	0000		
3	$(\overline{1}\overline{1}\overline{1})$	1	0	0	1	$\overline{1100}$		
$\frac{3}{2}$	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	$\overline{2\overline{2}00}$		
$\frac{2}{1}$	$(\overline{3}\overline{3}\overline{3})$	1	0	0	1	$\frac{2200}{3\overline{3}00}$		
	(555)	1					0= 1	
		-111	201.18 Pr		fication = $\mathbb{Z}_2$	$X_{\mathrm{BS}} = \mathbb{Z}_2$	$SI = z'_{2P}$	
$\mathbb{Z}_2$	weak	$3^{111}$	$2^{100}_{0\frac{1}{2}\frac{1}{2}}$	i				
0	(000)	0	0	0				
1	(000)	0	0	1				
			$201.21 P_{II}$	$i\bar{3}$ Class	ification = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2D}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$		$2^{100}_{0\frac{1}{2}\frac{1}{2}}$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	D0 2	2F	
0	(222)	1	0	$\frac{0\frac{1}{2}\frac{1}{2}}{0}$	0			
1	(111)	1	0	0	0			
	(111)						~~ /	
F77			$\frac{202.22}{2100}$ Fm		$\mathbb{Z}_{M}$ fication = $\mathbb{Z}_{M}$	$X_{\mathrm{BS}} = \mathbb{Z}_4$	$SI = z'_{4P}$	
$\mathbb{Z}_4$	weak	3 <sup>111</sup>	$2^{100}$	i	$Cm^{001}_{\underline{(2)}}$			
0	(000)	0	0	0	$4\overline{4}$			
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	$3\overline{3}$			
		6	$202.25$ $F_S n$	$i\bar{3}$ Classi	ification = $\mathbb{Z}_M$	$X_{BS} = \mathbb{Z}_4$	$SI = z'_{4P}$	
$\overline{\mathbb{Z}_4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$		$2^{100}$		$Cm_{(2)}^{100}$		
0	$(\overline{4}\overline{4}\overline{4})$	1	0	0	0	$\frac{(2)}{4\overline{4}}$		
0	(222)	0	0	0	0	00		
3	$(\overline{1}\overline{1}\overline{1})$	1	0	0	1	$1\overline{1}$		
2	$(\overline{2}\overline{2}\overline{2})$	1	0	0	0	$2\overline{2}$		
1	$(\overline{3}\overline{3}\overline{3})$	1	0	0	1	$3\overline{3}$		
			203.26 Fa	lā Classi	$fication = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	SI = z'	
$\mathbb{Z}_2$	weak	3 <sup>111</sup>	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{i}{i}$	$meanon = \omega_2$	$n_{\rm BS} - m_2$	$z_2p$	
		_	$\frac{20\frac{1}{4}\frac{1}{4}}{0}$					
0	(000)	0	0	0				
1	(000)	0	0	1				
		1 1 1 2		d3 Class	ification = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$3^{111}$	$2^{100}_{0\frac{1}{4}\frac{1}{4}}$	i			
0	$(\overline{2}\overline{2}\overline{2})$	1	0	0	0			
1	$(\overline{1}\overline{1}\overline{1})$	1	0	0	1			
			204.30 Im	3 Classif	fication = $\mathbb{Z}_M$	$X_{BS} = \mathbb{Z}_4$	$SI = z'_{4P}$	
$\mathbb{Z}_4$	weak	3111	$2^{100}$	i	$Cm_{(2)}^{010}$		41	
0	(000)	0	0	0	$\frac{(2)}{4\overline{4}}$			
0	(000)	0	0	0	00			
3	(000)	0	0	1	$1\overline{1}$			
2	(000)	0	0	0	$\frac{\overline{22}}{2}$			
$\frac{2}{1}$	(000)	0	0	1	$\frac{22}{3\overline{3}}$			
====	1 (- 00)		205.33 Pa			$X_{BS} = \mathbb{Z}_2$	SI - ~'	
$\overline{\mathbb{Z}_2}$	weak	3 <sup>111</sup>	9100	$\frac{i}{i}$		$\Lambda_{\rm BS}-\omega_2$	$\omega_1 - \omega_{2P}$	
			$2^{100}_{\frac{1}{2}\frac{1}{2}0}$					
0	(000)	0	0	0				
1	(000)	0	0	11				
					ification = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z'_{2P}$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$3^{111}_{\frac{1}{2}0^{\frac{1}{2}}}$	$2^{100}_{00\frac{1}{2}}*$	$i_{rac{1}{2}rac{1}{2}rac{1}{2}}*$			
	1	1	2 2	2	222			

0	(222)	1	0	0	0			
1	(222) $(111)$	1	0	1	0			
1	(111)			~ <u>5 \Q1 \</u>		V ""	CT/	
77	weak	3 <sup>111</sup>		$\frac{a\bar{3}  \text{Classif}}{i}$	ication = $\mathbb{Z}_2$	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_2$	$S1 = z_{2P}$	
$\mathbb{Z}_2$		-	$2^{100}_{00\frac{1}{2}}$					
0	(000)	0	0	0				
1	(000)	0	0	1				
	-		$0.70  P\bar{4}3$		fication = $\mathbb{Z}_M$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$3^{111}$	$\bar{4}^{100}$	$Cm_{\underline{(0)}}^{110}$				
0	(000)	0	0	$2\overline{2}$				
0	(000)	0	0	$2\overline{2}$				
1	(000)	0	<u> </u>	$1\overline{1}$				
			$.73 P_I 43$	3m Classi	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	(222)	1	0	0	$2\overline{2}$			
0	(000)	0	0	0	$2\overline{2}$			
1	(111)	1	0	1	$1\overline{1}$			
			$5.74  F\bar{4}3$		fication = $\mathbb{Z}_M$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2,S_4}$	
$\mathbb{Z}_2$	weak	$3^{111}$	$\bar{4}^{100}$	$Cm_{(0)}^{10\overline{1}}$				 
0	(000)	0	0	$2\overline{2}$				
0	(000)	0	0	$2\overline{2}$				
1	(000)	0	1	$1\overline{1}$				
		216	$.77  ext{ } F_S \overline{43}$		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 <sup>111</sup>	$\bar{4}^{100}$	$Cm_{(0)}^{110}$		,	
0	(222)	1	0	0	$2\overline{2}$			
0	(000)	0	0	0	$2\overline{2}$			
1	(111)	1	0	1	$1\overline{1}$			
		217	$7.78  I\bar{4}3$	m Classif	$\operatorname{ication} = \mathbb{Z}_M$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2.S_4}$	
$\mathbb{Z}_2$	weak	$3^{111}$	$\bar{4}^{100}$	$Cm_{(0)}^{011}$		· · · · · · · · · · · · · · · · · · ·	)· <del>-</del>	
0	(000)	0	0	$2\overline{2}$				
0	(000)	0	0	$2\overline{2}$				
1	(000)	0	1	$1\overline{1}$				
		21	$8.81  ext{ } P\overline{4}$	3n Classit	fication = $\mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_{2S_4}$	
$\mathbb{Z}_2$	weak	3 <sup>111</sup>	$\bar{4}^{100}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}$			2,84	
0	(000)	0	$\frac{\overline{2}\ \overline{2}\ \overline{2}}{0}$	0				
1	(000)	0	1	1				
	1 ( ')	_	8 84 Pr 1	3n Classi	$fication = \mathbb{Z}_2$	$X_{DG} = \mathbb{Z}_{G}$	$SI = \gamma_0 c$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2},\frac{1}{2},\frac{1}{2}\}*$	$3^{111}$	$\frac{5\pi}{4^{100}}*$	$\frac{m_{110}*}{m_{110}*}$	11D2 — ED2	~= ~2,S4	
$\frac{2}{0}$	(222)	1	0	0	0			
1	(111)	1	0	0	0			
	/		$9.85  ext{ } F\overline{4}$	3c Classif	$ication = \mathbb{Z}_2$	$X_{BS} = \mathbb{Z}_2$	$SI = z_2 g$	
$\mathbb{Z}_2$	weak	3 <sup>111</sup>	$\frac{\overline{4^{100}}}{\overline{4^{100}_{\frac{1}{2}^{\frac{1}{2}^{\frac{1}{2}}}}}}$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}}{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{110}}$		- <b>-</b> DO 2	~- ~2,54	
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)	0	1	1				
	(300)				fication = $\mathbb{Z}_2$	V 7/	SI = ~	
$\overline{\mathbb{Z}_2}$	weak		$\frac{9.88 F_{S^4}}{3^{111}}$	$\frac{13c}{4^{100}*}$		$X_{BS} = \mathbb{Z}_2$	$\omega_1 - z_{2,S_4}$	
$\frac{\mathbb{Z}_2}{0}$	(222)	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	0	0	$\frac{m_{110}*}{0}$			
1	(222) $(111)$	1	0	0	0			
	(***)		$\frac{0}{20.89}$ $I\bar{4}$		$\overline{\text{ication}} = \mathbb{Z}_2$	Y <sub>20</sub> = 7	SI — ~	
$\overline{\mathbb{Z}_2}$	weak	3 <sup>111</sup>		$\frac{5a \text{ Classif}}{a^{110}}$	$L(a) \cup U = L(2)$	$\Lambda_{\mathrm{BS}} = \mathbb{Z}_2$	$51 - z_{2,S_4}$	
		_	$\bar{4}^{100}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}$	$g_{\frac{1}{4}\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{110}$				
0	(000)	0	0	0				
1	(000)	0	1	1				

		221.9	$\frac{1}{2} Pm\bar{3}m$	Classific	$ation = \mathbb{Z}_M^3$	$X_{BS} =$	$\mathbb{Z}_{4,8}  \text{SI} = z_{4m}^+$	_, 28	
$\overline{\mathbb{Z}_{4,8}}$	weak	3 <sup>111</sup>	4 <sup>100</sup>	i	$\frac{2^{110}}{2^{110}}$	$\frac{100}{4^{100}}$	$\frac{-4.8 Cm_{4m}^{100}}{Cm_{(4)}^{100}}$	$Cm_{(2)}^{011}$	
$\frac{-4,8}{00}$	(000)	0	0	0	0	0	$\frac{20, 20, 4, \overline{4}}{20, 20, 4, \overline{4}}$	$\frac{24,24}{24,24}$	
00	(000)	0	0	0	0	0	8800	88	
00	(000)	0	0	0	0	0	8844	<del>6</del> 6	
00	(000)	0	0	0	0	0	4400	$\overline{2}2$	
03	(000)	0	0	1	0	1	$1\overline{1}00$	11	
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 <del>6</del> 00	66	
05	(000)	0	0	1	0	1	7 <del>7</del> 00	77	
10	(000)	0	0	0	0	0	<u>5</u> 51 <u>1</u>	<u>66</u>	
13	(000)	0	0	1	0	1	<u>4411</u>	$\frac{\overline{5}5}{\overline{4}4}$	
16 11	(000)	0	0	0	0	0	$\frac{\overline{3}31\overline{1}}{\overline{2}21\overline{1}}$	$\frac{\overline{4}4}{\overline{3}3}$	
$\frac{11}{14}$	(000)	0	0	0	0	0	$\frac{2211}{1111}$	$\frac{33}{22}$	
$\frac{14}{17}$	(000)	0	0	1	0	1	$\frac{1111}{001\overline{1}}$	$\frac{22}{11}$	
12	(000)	0	0	0	0	0	1 <u>111</u>	00	
$\frac{12}{15}$	(000)	0	0	1	0	1	$\frac{2\overline{2}1\overline{1}}{2}$	$\frac{00}{1\overline{1}}$	
$\frac{10}{20}$	(000)	0	0	0	0	0	$\frac{2211}{10, 10, 2, \overline{2}}$	$\frac{11}{12,12}$	
$\frac{20}{23}$	(000)	0	0	1	0	1	$\frac{\overline{9922}}{\overline{9}}$	11, 11	
$\frac{26}{26}$	(000)	0	0	0	0	0	$\frac{882\overline{2}}{882\overline{2}}$	$\frac{11,11}{10,10}$	
21	(000)	0	0	1	0	1	$\overline{7}72\overline{2}$	99	
24	(000)	0	0	0	0	0	$\overline{6}62\overline{2}$	88	
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, $\overline{3}$	<u>15</u> , 15	
34	(000)	0	0	0	0	0	$\overline{11}$ , 11, 3, $\overline{3}$	14,14	
37	(000)	0	0	1	0	1	$\overline{10}, 10, 3, \overline{3}$	13, 13	
$\frac{32}{35}$	(000)	0	0	0	0	0	$\overline{9933}$	$\frac{12}{11}$ , 12	
	(000)	0		1	0		8833	11,11	
		221	$\frac{1.94 \ Pm'3'}{1.00}$		$\frac{\text{sification}}{2} = \mathbb{Z}$	$\frac{1}{2}M$ $\frac{X_{BS}}{2}$	$S = \mathbb{Z}_2$ $SI = z_2$	$,S_4$	
$\mathbb{Z}_2$	weak	$3^{111}$	$4^{100}*$	i*	$2^{110}*$	$\bar{4}^{100}$	$Cm_{\underline{(0)}}^{0\overline{1}1}$		
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	$1\overline{1}$		
		221.95			ation = $\mathbb{Z}_M^2$	$X_{BS} =$		$_{1},z_{4P}^{\prime}$	
$\mathbb{Z}_{2,4}$	weak	$3^{111}$	$4^{100}*$	i	$2^{110}*$	$\bar{4}^{100}*$	$m_{101}*$	$Cm_{(2)}^{100}$	
00	(000)	0	0	0	0	0	0	$\overline{2}22\overline{2}$	
00	(000)	0	0	0	0	0	0	$4\overline{4}00$	
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	$\frac{3\overline{3}00}{\overline{1}11\overline{1}}$	
10	(000)	0	0	0	0	0	0	1111	
13	(000)	0	1	1	1	0	0	$001\overline{1}$	
12	(000)	0	0	0	0	0	0	$\frac{1\overline{1}1\overline{1}}{2\overline{2}1\overline{1}}$	
11	(000)	0	1	1	1	0	0	2211	

		26	01 07 D ×	nām Class	ification -	_ 772 V	_ 77 CT .			
$\mathbb{Z}_8$	weak	<i>ک</i> ک ۱۱ <u>۱۱۲</u>	$\frac{21.97}{3^{111}}$	$\frac{n_{3}m}{4^{100}}$ Class	$\frac{\sin(\cot(0))}{i}$	$= \mathbb{Z}_M^2 X_{\mathrm{BS}}$	$= \mathbb{Z}_8  \text{S1} = \frac{1}{4}$	$\frac{z_8}{Cm_{(2)}^{011}}$	$Cm_{(4)}^{001}$	
		$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$		*				$\frac{Cm_{(2)}}{88}$	$\frac{8800}{8800}$	
0	(888)	1	0	0	0	0	0	$\frac{88}{22}$	$\frac{8800}{4400}$	
0	(444)	0	0	0	0	0	0	$\frac{22}{\overline{66}}$	$\frac{4400}{4400}$	
$\frac{0}{3}$	(666) $(111)$	0	0	0	0		0	$\frac{00}{1\overline{1}}$	$\frac{4400}{1\overline{1}00}$	
	$(\bar{2}\bar{2}\bar{2})$			0	0	0	1	$\frac{11}{2\overline{2}}$	$\frac{1100}{2\overline{2}00}$	
6	$(\overline{333})$	1	0			0	0	$\frac{22}{3\overline{3}}$	$\frac{2200}{3\overline{3}00}$	
<u> 1</u>	$(\overline{444})$	1		0	1	0	1	$\frac{35}{4\overline{4}}$	$\frac{3500}{4\overline{4}00}$	
$\frac{4}{7}$	(555)	1 1	0	0	$\frac{0}{1}$	0	0	$\frac{44}{55}$	$\frac{4400}{5500}$	
$\frac{7}{2}$	$(\overline{666})$		0	0		0		$\frac{55}{66}$	$\frac{6600}{6}$	
	(777)	1	0	0	0	0	0	$\frac{66}{77}$	7 <del>7</del> 00	
<u>5</u>	(111)	1							7700	
$222.98  Pn\bar{3}n  \text{Classification} = \mathbb{Z}_2  \text{X}_{\text{BS}} = \mathbb{Z}_2  \text{SI} = z_{2P}'$										
$\mathbb{Z}_2$	weak	3 <sup>111</sup>	$4_{0\frac{1}{2}0}^{100}$	i	$2^{110}_{00\frac{1}{2}}$	$\frac{100}{4_{0\frac{1}{2}0}^{100}}$	$g_{0\frac{1}{2}0}^{101}$			
0	(000)	0	0	0	0	0	0			
1	(000)	0	0	1	0	1	1			
		22:	2.100 Pn	$\sqrt{3}$ 'n Class	ification =	$\mathbb{Z}_2$ $X_{\mathrm{BS}}$ =	$=\mathbb{Z}_2$ SI $=$	$z_{2,S_4}$		
$\mathbb{Z}_2$	weak	3111	$4^{100}_{0\frac{1}{2}0}*$	i*	$2^{110}_{00\frac{1}{2}}*$	$\frac{100}{4_{0\frac{1}{2}0}^{100}}$	$g_{0\frac{1}{2}0}^{101}$	) ·=		
0	(000)	0	$0\frac{1}{2}$	0	00 ½	$0\frac{1}{2}0$	$0 = \frac{30\frac{1}{2}0}{0}$			
1	(000)	0	1	0	1	1	1			
	(000)		$\frac{1}{22.101} Pr$					/		
	1	$\frac{22}{3^{111}}$				$\mathbb{Z}_2$ $\mathbb{X}_{\mathrm{BS}} = \frac{\mathbb{Z}_2}{\sqrt{100}}$		$z_{2P}$		
$\mathbb{Z}_2$	weak	_	$4^{100}_{0\frac{1}{2}0}*$	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	1	1	0	0			
		22		$n\bar{3}n$ Class	ification =	$\mathbb{Z}_2$ $\mathbb{X}_{\mathrm{BS}}$ :	$=\mathbb{Z}_2$ SI $=$	$z_{2P}'$		
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$3^{111}$	$4^{100}_{0\frac{1}{2}0}$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$2^{110}_{00\frac{1}{2}}$	$\bar{4}^{100}_{\frac{1}{2}0\frac{1}{2}}*$	$g_{\frac{1}{2}0\frac{1}{2}}^{101}*$		
0	$(\bar{2}\bar{2}\bar{2})$	1	0	$\frac{0}{2}$ 0	0	$\frac{00\overline{2}}{0}$	$0^{\frac{\overline{2}}{2}0}$	$\frac{\frac{2}{2}0}{0}$		
1	$(\overline{1}\overline{1}\overline{1})$	1	0	0	0	0	0	0		
	, ,	22	3 104 Pn	nān Classi	fication —	Zur Xpg	- 7. SI -	- ~'		
		_						$\frac{776(4)}{4\overline{4}00}$		
0	(000)	0	0	0	0	0	0			
0	(000)	0	0	0	0	0	0	$\frac{0000}{1\overline{1}00}$		
3	(000)	0	0	1	0	1	1			
	(000)	0	0	0	0	0	0 1	$\frac{2200}{3\overline{3}00}$		
1	(000)	0				1				
			$\frac{3.106 Pm}{1.100}$		sification =	$\mathbb{Z}_2$ $X_{\mathrm{BS}} =$		$z_{2,S_4}$		
$\mathbb{Z}_2$	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	0	0	0	0	0			
1	(000)	0	1	0	1	1	1			
		223	3.107 Pn	$n\bar{3}n'$ Class	ification =	$\mathbb{Z}_M$ $X_{BS}$	$=\mathbb{Z}_4$ SI =	$=z'_{AP}$		
$\overline{\mathbb{Z}_4}$	weak	$3^{111}$	$4^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\overline{4^{100}_{111}}*$	$g^{101}_{\frac{1}{1}\frac{1}{1}}*$	$Cm_{(2)}^{100}$		
0	(000)	0	$\frac{\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	0	$\frac{\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{3\frac{1}{2}\frac{1}{2}\frac{1}{2}}{0}$	$\frac{4\overline{400}}{400}$		
0	(000)	0	0	0	0	0	0	0000		
3	(000)	0	1	1	1	0	0	$\frac{1\overline{1}00}{100}$		
$\frac{3}{2}$	(000)	0	0	0	0	0	0	$\frac{2\overline{2}00}{2}$		
$\frac{2}{1}$	(000)	0	1	1	1	0	0	$\frac{2200}{3\overline{3}00}$		
	(500)									
	***a - 1-		$\frac{3.109 P_I r}{3^{111}}$	$\frac{n3n}{4^{100}}*$ Class		$\frac{\mathbb{Z}_M}{2^{110}}$ *	$= \mathbb{Z}_4 \text{ SI} = \frac{1}{4} = \frac{1}{4$		C 001	
$\mathbb{Z}_4$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$			$\frac{i}{2}$	<u>-</u> :		$m_{101}*$	$Cm_{(4)}^{001}$	
0	(444)	1	0	0	0	0	0	0	4400	
0	$(\bar{2}\bar{2}\bar{2})$	0	0	0	0	0	0	0	0000	
3	(111)	1	0	1	1	1	0	0	1 <u>1</u> 00	
2	(222)	1	0	0	0	0	0	0	$2\overline{2}00$	

1	(333)	1	0	1	1	1	0	0	3300	
		224	4.110 Pn	3m Classi	fication =	$\mathbb{Z}_M$ $X_{\mathrm{BS}}$		2/2 -		
$\overline{\mathbb{Z}_2}$	weak	3111	$\frac{4^{100}_{\frac{1}{2}0^{\frac{1}{2}}}}{4^{100}_{\frac{1}{2}0^{\frac{1}{2}}}}$	$\frac{i}{i}$	$\frac{2^{110}_{\frac{1}{2}\frac{1}{2}0}}{2^{\frac{1}{2}0}}$	$\frac{22M}{4^{100}}$	$\frac{-22}{Cm_{(2)}^{011}}$	<i>≈</i> 2 <i>P</i>		
		_	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	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					$\frac{22}{2\overline{2}}$			
	(000)	0	0	0	0	0	$\frac{22}{1\overline{1}}$			
1	(000)	0								
			112 Pn'		fication =	$\mathbb{Z}_M$ $X_{BS}$	$=\mathbb{Z}_2$ $\operatorname{SI}=$	$z_{2,S_4}$		
$\mathbb{Z}_2$	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	$1\overline{1}$			
		22	4.113 $Pn$	$\bar{3}m'$ Class	sification =	$=\mathbb{Z}_2$ $X_{\mathrm{BS}}=$	$=\mathbb{Z}_2$ SI $=$	$z'_{2P}$		
$\overline{\mathbb{Z}_2}$	weak	$3^{111}$	$4^{100}_{\frac{1}{2}0\frac{1}{2}}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}0}*$	$\bar{4}^{100}_{\frac{1}{2}0\frac{1}{2}}*$	$g_{\frac{1}{2}0\frac{1}{2}}^{101}*$	21		
0	(000)	0	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	0	$\frac{\frac{\overline{2}}{2}\overline{2}^{0}}{0}$	$\frac{\frac{1}{2}0\frac{1}{2}}{0}$	$\frac{1-\frac{1}{2}0\frac{1}{2}}{0}$			
1	(000)	0	1	1	1	0	0			
	( , , , )		$\frac{1}{4.115} P_I n$			$\mathbb{Z}_M$ $X_{\mathrm{BS}}$		- ~'		
$\overline{\mathbb{Z}_2}$	weak		$\frac{1.113}{3^{111}}$			$\frac{2^{110}}{2^{110}}*$				
		$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$		$4^{100}_{0\frac{1}{2}0}*$	$i_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$00\frac{1}{2}$	$\bar{4}^{100}_{\frac{1}{2}0\frac{1}{2}}$	$Cm_{(2)}^{011}$		
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0	0	$2\overline{2}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}$		
1	$(\bar{1}\bar{1}\bar{1})$	1	0	1	0	1	1	11		
				$n\bar{3}m$ Class		$=\mathbb{Z}_{M}^{2}$ $X_{\mathrm{BS}}$	$S = \mathbb{Z}_8$ SI =			
$\mathbb{Z}_8$	weak	$3^{111}$	$4^{100}$	i	$2^{110}$	$\frac{1}{4}$ 100	$Cm_{(4)}^{001}$	$Cm_{(2)}^{101}$		
0	(000)	0	0	0	0	0	88	$8\overline{8}$		
0	(000)	0	0	0	0	0	$\overline{2}2$	$\overline{4}4$		
0	(000)	0	0	0	0	0	<u>66</u>	$\overline{4}\underline{4}$		
3	(000)	0	0	1	0	1	$1\overline{1}$	$1\overline{1}$		
6	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}$		
1	(000)	0	0	1	0	1	33	33		
4	(000)	0	0	0	0	0	$4\overline{4}$	$4\overline{4}$		
7	(000)	0	0	1	0	1	5 <u>5</u>	$5\overline{5}$		
2	(000)	0	0	0	0	0	<u>66</u>	<u>66</u>		
5	(000)	0	0	1	0	1	77	77		
		225.	118  Fm'	$\bar{3}'m$ Class	ification =	$\mathbb{Z}_M$ $X_{BS}$	$=\mathbb{Z}_2$ SI $=$	$z_{2,S_4}$		
$\mathbb{Z}_2$	weak	$3^{111}$	$4^{100}*$	i*	$2^{110}*$	$\frac{1}{4}$ 100	$Cm_{(0)}^{101}$			
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	$1\overline{1}$			
		225	$\overline{5.119}$ $\overline{Fm}$	$\overline{3}m'$ Class	ification =	$\mathbb{Z}_M$ $X_{\mathrm{BS}}$	$=\mathbb{Z}_4$ 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	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	$3\overline{3}$		
		225	$5.121  ext{ } F_{S}$	$m\bar{3}m$ Clas	sification :	$=\mathbb{Z}_{M}^{2}$ $X_{BG}$	$S = \mathbb{Z}_8$ SI	$= z_8$		
$\mathbb{Z}_8$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{3^{111}}{3^{111}}$	4 <sup>100</sup>	$\frac{i}{i}$	$\frac{2^{110}}{2^{110}}$	$\frac{1}{4^{100}}$	$Cm_{(4)}^{100}$	$Cm_{(2)}^{0\overline{1}1}$	
0	(888)	1	0	0	0	0	0	$\frac{88}{8}$	$\frac{88}{8}$	
0	(666)	0	0	0	0	0	0	$\frac{36}{44}$	$\frac{\overline{66}}{6}$	
0	(444)	0	0	0	0	0	0	$\frac{44}{44}$	$\frac{\overline{2}}{2}$	
3	$(\overline{1}\overline{1}\overline{1})$	1	0	0	1	0	1	$\frac{11}{11}$	$\frac{2\overline{2}}{1\overline{1}}$	
6	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0	0	$\frac{11}{2\overline{2}}$	$\frac{11}{2\overline{2}}$	
1	$(\bar{3}\bar{3}\bar{3})$	1	0	0	1	0	1	$\frac{22}{3\overline{3}}$	33	
-	(333)		~	~	_	•	-	55	55	

	(777)							47	47	
4	(444)	1	0	0	0	0	0	$\frac{4\overline{4}}{\overline{z}}$	44	
7	$(\overline{5}\overline{5}\overline{5})$	1	0	0	1	0	1	$5\overline{5}$	5 <u>5</u>	
2	$(\bar{6}\bar{6}\bar{6})$	1	0	0	0	0	0	6 <u>6</u>	6 <u>6</u>	
5	$(\bar{7}\bar{7}\bar{7})$	1	0	0	1	0	1	$7\overline{7}$	77	
226.122 $Fm\bar{3}c$ Classification = $\mathbb{Z}_M$ $X_{BS} = \mathbb{Z}_4$ $SI = z'_{4P}$										
$\mathbb{Z}_4$	weak	$3^{111}$	$4^{100}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\bar{4}^{100}_{rac{1}{2}rac{1}{2}rac{1}{2}}$	$g^{101}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$Cm_{(4)}^{001}$		
0	(000)	0	0	0	0	0	0	$4\overline{4}$		
0	(000)	0	0	0	0	0	0	00		
3	(000)	0	0	1	0	1	1	$1\overline{1}$		
2	(000)	0	0	0	0	0	0	$2\overline{2}$		
1	(000)	0	0	1	0	1	1	$3\overline{3}$		
	, ,	226	5.124 $Fm$	√3′c Classi	fication -	$\mathbb{Z}_2$ $X_{BS} =$	- Zo SI —	79. G		
$\mathbb{Z}_2$	weak	3111	$\frac{4^{100}}{4^{\frac{1}{2}}^{\frac{1}{2}}^{\frac{1}{2}}} *$	i*	$\frac{2^{110}}{2^{\frac{1}{2}\frac{1}{2}\frac{1}{2}}}*$	$\frac{4100}{\frac{1}{2}\frac{1}{2}\frac{1}{2}}$	$\frac{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{101}}{g_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}^{101}}$	~2,54		
0	(000)	0	0	0	0	0	0			
1	(000)	0	1	0	1	1	1			
			6.125  Fn	$n\bar{3}c'$ Classi	fication =	$\mathbb{Z}_M$ $X_{BS}$	$=\mathbb{Z}_4$ SI =	$=z'_{4P}$		
$\mathbb{Z}_4$	weak	$3^{111}$	$4^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	i	$2^{110}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$\bar{4}^{100}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$g^{101}_{\frac{1}{2}\frac{1}{2}\frac{1}{2}}*$	$Cm_{(2)}^{001}$		
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	$3\overline{3}$		
	$226.127  F_S m \bar{3}c  \text{Classification} = \mathbb{Z}_M  X_{\text{BS}} = \mathbb{Z}_4  \text{SI} = z'_{4P}$									
$\overline{\mathbb{Z}_4}$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$\frac{3^{111}}{3^{111}}$	4 <sup>100</sup> *	$\frac{i}{i}$	$\frac{Z_{M}}{2^{110}}*$	$\frac{-24}{4^{100}}*$	$\frac{-24P}{m_{101}*}$	$Cm_{(4)}^{100}$	
0	$(\overline{4}\overline{4}\overline{4})$	1	0	0	0	0	0	0	$\frac{CH^{\prime}(4)}{4\overline{4}}$	
0	(222)	0	0	0	0	0	0	0	00	
3	$(\overline{1}\overline{1}\overline{1})$	1	0	1	1	1	0	0	$\frac{00}{1\overline{1}}$	
$\frac{3}{2}$	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0	0	0	$\frac{11}{2\overline{2}}$	
$\frac{2}{1}$	$(\overline{3}\overline{3}\overline{3})$	1	0	1	1	1	0	0	$\frac{22}{3\overline{3}}$	
	(000)									
	1	3 <sup>111</sup>	7.128 Fd		$\frac{\text{ncation} = 0.000}{0.000}$	$\mathbb{Z}_M$ $X_{BS} = \frac{100}{4100}$	$= \mathbb{Z}_2  \text{S1} = \frac{1}{2}$	$z_{2P}$		
$\mathbb{Z}_2$	weak		$4^{100}_{\frac{1}{4}0\frac{1}{4}}$	i	$2^{110}_{\frac{1}{4}\frac{1}{4}0}$	$ar{4}_{rac{1}{4}0rac{1}{4}}^{100}$	$Cm_{(2)}^{011}$			
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	$1\overline{1}$			
		227.	130  Fd'	$\overline{8}'m$ Classif	fication =	$\mathbb{Z}_M$ $X_{\mathrm{BS}}$ :	$=\mathbb{Z}_2$ SI $=$	$= z_{2,S_4}$		
$\mathbb{Z}_2$	weak	$3^{111}$	$4^{100}_{\frac{1}{4}0\frac{1}{4}}*$	i*	$2^{110}_{\frac{1}{4}\frac{1}{4}0}*$	$\frac{4^{100}}{4^{101}_{\frac{1}{4}0^{\frac{1}{4}}}}$	$Cm_{(0)}^{011}$			
0	(000)	0	$\frac{404}{0}$	0	$\frac{440}{0}$	0	$\frac{2\overline{2}}{2}$			
0	(000)	0	0	0	0	0	$\frac{2\overline{2}}{2}$			
1	(000)	0	1	0	1	1	11			
	( /		$7.131  ext{ } Fa$		ification =	- 7. V	$=\mathbb{Z}_2$ SI $=$	· ~'		
$\mathbb{Z}_2$	weak	3 <sup>111</sup>		$\frac{i \circ m}{i}$ Class.	1110 ±		$\frac{-\omega_2}{a^{101}}$	~2P		
		_	$4^{100}_{\frac{1}{4}0\frac{1}{4}}*$		$2^{110}_{\frac{1}{4}\frac{1}{4}0}*$	$\bar{4}^{100}_{\frac{1}{4}0\frac{1}{4}}*$	$g_{\frac{1}{4}0\frac{1}{4}}^{101}*$			
0	(000)	0	0	0	0	0	0			
1	(000)	0	1	1	1	0	0			
			$7.133$ $F_S \epsilon$	d3m Classi		$\mathbb{Z}_M$ $X_{BS}$	$=\mathbb{Z}_2$ SI =	$=z'_{2P}$		
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}*$	$3^{111}$	$4^{100}_{\frac{1}{4}0\frac{1}{4}}$	i	$2^{110}_{\frac{1}{4}\frac{1}{4}0}$	$\bar{4}^{100}_{\frac{1}{4}0\frac{1}{4}}$	$Cm_{(2)}^{011}$		
0	(222)	1	0	0	0	0	0	$2\overline{2}$		
0	(000)	0	0	0	0	0	0	$2\overline{2}$		
1	(111)	1	0	0	1	0	1	$1\overline{1}$		
		22	28.134 F	$d\bar{3}c$ Classif	fication =	$\mathbb{Z}_2$ $X_{BS} =$	$\mathbb{Z}_2$ SI =	$z'_{2D}$		
$\overline{\mathbb{Z}_2}$	weak	3 <sup>111</sup>	$4^{100}_{\frac{1}{4}\frac{1}{2}\frac{1}{4}}$	$\frac{i}{i}$	$2^{110}_{\frac{1}{4}\frac{1}{4}\frac{1}{2}}$	$\frac{4^{100}_{\frac{1}{4}\frac{1}{2}\frac{1}{4}}}{4^{100}_{\frac{1}{4}\frac{1}{2}\frac{1}{4}}}$	$g_{\frac{1}{4}\frac{1}{2}\frac{1}{4}}^{101}$	Δ <i>Γ</i>		
0	(000)	0	$\frac{\frac{1}{4}\frac{1}{2}\frac{1}{4}}{0}$	0	$\frac{\frac{2}{4}\frac{1}{4}\frac{1}{2}}{0}$	$\frac{\frac{1}{4}\frac{1}{2}\frac{1}{4}}{0}$	$\frac{g_{\frac{1}{4}\frac{1}{2}\frac{1}{4}}}{0}$			
U	(000)	ı U	U	U	U	U	U			

1	(000)	0	0	1	0	1	1		
	, ,		228.136 Fd'	$\bar{8}'c$ Class	sification =	$\mathbb{Z}_2$ $X_{BS} =$	$=\mathbb{Z}_2$ SI $=$	Z2 S.	
$\mathbb{Z}_2$	weak	$3^{111}$	$4^{100}_{\frac{1}{4}\frac{1}{2}\frac{1}{4}}*$	i*	$2^{110}_{\frac{1}{4}\frac{1}{4}\frac{1}{2}}*$	$\frac{4^{100}}{4^{\frac{1}{4}}}$	$g_{\frac{1}{4}\frac{1}{2}\frac{1}{4}}^{101}$	2,54	
0	(000)	0	$\frac{\frac{1}{4}\frac{1}{2}\frac{1}{4}}{0}$	0	$\frac{\frac{1}{4}\frac{1}{4}\frac{1}{2}}{0}$	$0 \frac{\frac{1}{4}\frac{1}{2}\frac{1}{4}}{0}$	$\frac{J_{\frac{1}{4}\frac{1}{2}\frac{1}{4}}}{0}$		
$\frac{0}{1}$	(000)	0	1	0	1	1	1		
	(000)	0						,	
	1 1	$3^{111}$	228.137 Fd		sification =	$= \frac{\mathbb{Z}_2}{4100}$	$=\mathbb{Z}_2$ SI $=$	$z_{2P}$	
$\mathbb{Z}_2$	weak		$4^{100}_{rac{1}{4}rac{1}{2}rac{1}{4}}*$	i	$2^{110}_{\frac{1}{4}\frac{1}{4}\frac{1}{2}}*$	$\bar{4}^{100}_{rac{1}{4}rac{1}{2}rac{1}{4}}*$	$g^{101}_{rac{1}{4}rac{1}{2}rac{1}{4}}*$		
0	(000)	0	0	0	0	0	0		
1	(000)	0	1	1	1	0	0		
			228.139 $F_S$	$d\bar{3}c$ Clas	sification =	$\mathbb{Z}_2$ $\mathbb{X}_{\mathrm{BS}}$ =	$=\mathbb{Z}_2$ $SI=$	$z_{2P}'$	
$\mathbb{Z}_2$	weak	$\{1 \frac{1}{2}\frac{1}{2}\frac{1}{2}\}$	$** 3_{0\frac{1}{4}\frac{1}{4}}^{11\overline{1}}$	$4^{010}_{\frac{1}{4}\frac{1}{4}0}*$	i	$2^{110}_{\frac{1}{4}\frac{1}{4}0}*$	$\bar{4}^{010}_{rac{1}{4}rac{1}{4}0}*$	$m_{0\bar{1}1}*$	
0	$(\bar{2}\bar{2}\bar{2})$	1	0	0	0	0	0	0	
1	$(\overline{1}\overline{1}\overline{1})$	1	0	1	1	1	0	0	
			229.140 Im	$\bar{3}m$ Clas	sification =	$= \mathbb{Z}_{M}^2$ $X_{BS}$	$=\mathbb{Z}_8$ SI =	= 20	
$\mathbb{Z}_8$	weak	3111	$4^{100}$	$\frac{i}{i}$	2110	$\frac{{M}}{4^{100}}$	$Cm_{(2)}^{011}$	$Cm_{(4)}^{001}$	
0	(000)	0	0	0	0	0	88	88	
0	(000)	0	0	0	0	0	$\frac{\overline{2}}{2}$	$\frac{36}{44}$	
0	(000)	0	0	0	0	0	<del></del>	$\frac{11}{44}$	
3	(000)	0	0	1	0	1	11	11	
6	(000)	0	0	0	0	0	$2\overline{2}$	$2\overline{2}$	
1	(000)	0	0	1	0	1	$3\overline{3}$	$3\overline{3}$	
4	(000)	0	0	0	0	0	$4\overline{4}$	$4\overline{4}$	
7	(000)	0	0	1	0	1	$5\overline{5}$	$5\overline{5}$	_
2	(000)	0	0	0	0	0	$6\overline{6}$	$6\overline{6}$	
5	(000)	0	0	1	0	1	$7\overline{7}$	$7\overline{7}$	
		2	$29.142  Im'\bar{3}$	m Class	sification =	$\mathbb{Z}_M$ X <sub>BS</sub>	$=\mathbb{Z}_2$ SI $=$	= Z <sub>2.S<sub>4</sub></sub>	
$\mathbb{Z}_2$	weak	$3^{111}$	$4^{100}*$	i*	$2^{110}*$	$\frac{1}{4}$ 100	$Cm_{(0)}^{011}$	2,54	
0	(000)	0	0	0	0	0	$\frac{\overline{22}}{}$		
0	(000)	0	0	0	0	0	$2\overline{2}$		
1	(000)	0	1	0	1	1	11		
	, , ,		$229.143 Im\bar{3}$	m' Clas	sification =	$\mathbb{Z}_M$ $\mathbb{X}_{\mathrm{BS}}$	$= \mathbb{Z}_4$ SI =	= 2'. D	
$\overline{\mathbb{Z}_4}$	weak	$3^{111}$	4 <sup>100</sup> *	$\frac{i}{i}$	2 <sup>110</sup> *	$\frac{1100}{4^{100}}$ *	$m_{101}*$	$Cm_{(2)}^{001}$	_
0	(000)	0	0	0	0	0	0	$\frac{44}{4}$	
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	$3\overline{3}$	
	. , ,		230.145 Ia	3d Class	ification =	$\mathbb{Z}_2$ $X_{BS} =$	$\mathbb{Z}_2$ $\mathrm{SI} = 2$	7'.	
$\overline{\mathbb{Z}_2}$	weak	3111	$\frac{4^{100}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}}{4^{\frac{1}{4}\frac{1}{4}}}$	$\frac{i}{i}$	$2^{110}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}$	$\frac{4^{100}}{4^{\frac{1}{4}\frac{1}{4}\frac{1}{4}}}$	$\frac{g_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{101}}{g_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{101}}$	-2P	
0	(000)	0	$\frac{\frac{1}{4}\frac{1}{4}\frac{1}{4}}{0}$	0	$\frac{-\frac{1}{4}\frac{1}{4}\frac{1}{4}}{0}$	$\frac{-\frac{1}{4}\frac{1}{4}\frac{1}{4}}{0}$	$\frac{3\frac{1}{4}\frac{1}{4}\frac{1}{4}}{0}$		
$\frac{0}{1}$	(000)	0	0	1	0	1	1		
	(000)	0							
	1	3111	230.147 Ia's		sification =	$\mathbb{Z}_2$ $X_{BS} = \frac{100}{4100}$		$z_{2,S_4}$	
$\mathbb{Z}_2$	weak		$4^{100}_{rac{1}{4}rac{1}{4}rac{1}{4}}*$	i*	$2\frac{110}{\frac{1}{4}\frac{1}{4}\frac{1}{4}}*$	$ar{4}^{100}_{rac{1}{4}rac{1}{4}rac{1}{4}}$	$g^{101}_{rac{1}{4}rac{1}{4}rac{ar{1}}{4}}$		
0	(000)	0	0	0	0	0	0		
0	/			0	1	1	1		
1	(000)	0	1						
1	/		230.148 Ia		sification =		$=\mathbb{Z}_2$ SI $=$	$z_{2P}'$	
	/	3 <sup>111</sup>	230.148 Ia		sification =		$= \mathbb{Z}_2 \text{ SI} = g_{\frac{1}{2},\frac{1}{2},\frac{1}{2}}^{101} *$	$z_{2P}'$	
1	(000)			Bd' Class		$\frac{\mathbb{Z}_2}{4^{100}_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}} \times 0$	$ \frac{g_{\frac{1}{4}\frac{1}{4}\frac{1}{4}}^{101} *}{g_{0}^{101} *} $	$z_{2P}^{\prime}$	