MSG No. 52.306 $Pnna1'$ [Type II, orthorhombic]

Table 1: Wyckoff site: `4a`, site symmetry: `-11'`

No.	position	mapping
1	$[0, 0, 0]$	`[1,5,9,13]`
2	$\left[0, \frac{1}{2}, \frac{1}{2}\right]$	`[2,6,10,14]`
3	$\left[\frac{1}{2}, \frac{1}{2}, \frac{1}{2}\right]$	`[3,7,11,15]`
4	$\left[\frac{1}{2}, 0, 0\right]$	`[4,8,12,16]`

Table 2: Wyckoff site: `4b`, site symmetry: `-11'`

No.	position	mapping
1	$\left[0, 0, \frac{1}{2}\right]$	`[1,5,9,13]`
2	$\left[0, \frac{1}{2}, 0\right]$	`[2,6,10,14]`
3	$\left[\frac{1}{2}, \frac{1}{2}, 0\right]$	`[3,7,11,15]`
4	$\left[\frac{1}{2}, 0, \frac{1}{2}\right]$	`[4,8,12,16]`

Table 3: Wyckoff site: `4c`, site symmetry: `..21'`

No.	position	mapping
1	$\left[\frac{1}{4}, 0, z\right]$	`[1,4,9,12]`
2	$\left[\frac{1}{4}, \frac{1}{2}, \frac{1}{2} - z\right]$	`[2,3,10,11]`
3	$\left[\frac{3}{4}, 0, -z\right]$	`[5,8,13,16]`
4	$\left[\frac{3}{4}, \frac{1}{2}, z + \frac{1}{2}\right]$	`[6,7,14,15]`

Table 4: Wyckoff site: `4d`, site symmetry: `2..1'`

No.	position	mapping
1	$\left[x, \frac{1}{4}, \frac{1}{4}\right]$	`[1,2,9,10]`
2	$\left[\frac{1}{2} - x, \frac{3}{4}, \frac{1}{4}\right]$	`[3,4,11,12]`
3	$\left[-x, \frac{3}{4}, \frac{3}{4}\right]$	`[5,6,13,14]`
4	$\left[x + \frac{1}{2}, \frac{1}{4}, \frac{3}{4}\right]$	`[7,8,15,16]`

Table 5: Wyckoff site: `8e`, site symmetry: `11'`

No.	position	mapping
1	$[x, y, z]$	`[1,9]`
2	$\left[x, \frac{1}{2} - y, \frac{1}{2} - z\right]$	`[2,10]`

continued ...

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Table 5

No.	position	mapping
3	$\left[\frac{1}{2} - x,\, y + \frac{1}{2},\, \frac{1}{2} - z\right]$	[3,11]
4	$\left[\frac{1}{2} - x,\, -y,\, z\right]$	[4,12]
5	$\left[-x,\, -y,\, -z\right]$	[5,13]
6	$\left[-x,\, y + \frac{1}{2},\, z + \frac{1}{2}\right]$	[6,14]
7	$\left[x + \frac{1}{2},\, \frac{1}{2} - y,\, z + \frac{1}{2}\right]$	[7,15]
8	$\left[x + \frac{1}{2},\, y,\, -z\right]$	[8,16]

3	$\left[\frac{1}{2} - x,\, y + \frac{1}{2},\, \frac{1}{2} - z\right]$	[3,11]
4	$\left[\frac{1}{2} - x,\, -y,\, z\right]$	[4,12]
5	$\left[-x,\, -y,\, -z\right]$	[5,13]

6	$\left[-x,\, y + \frac{1}{2},\, z + \frac{1}{2}\right]$
7	$\left[x + \frac{1}{2},\, \frac{1}{2} - y,\, z + \frac{1}{2}\right]$
8	$\left[x + \frac{1}{2},\, y,\, -z\right]$