MSG No. 39.202 A_Bbm2 [Type IV, orthorhombic]

Table 1: Wyckoff site: `4a`, site symmetry: `m'm2'`

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

Table 2: Wyckoff site: `8b`, site symmetry: `..2`

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

Table 3: Wyckoff site: `8c`, site symmetry: `m'..`

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

Table 4: Wyckoff site: `8d`, site symmetry: `.m.`

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

continued ...

Table 4

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

Table 5: Wyckoff site: 16e, site symmetry: 1

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