MSG No. 40.210 A_Bma2 [Type IV, orthorhombic]

Table 1: Wyckoff site: `4a`, site symmetry: `mm'2'`

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

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

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

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

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

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

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

continued ...

Table 4

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

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

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