MSG No. 41.217 A_bba2 [Type IV, orthorhombic]

Table 1: Wyckoff site: `8a`, site symmetry: `..2`

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

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

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

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

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

Table 4: Wyckoff site: `16d`, site symmetry: `1`

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