MSG No. 62.452 P_cnma [Type IV, orthorhombic]

Table 1: Wyckoff site: `8a`, site symmetry: `-1'`

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

Table 2: Wyckoff site: `8b`, site symmetry: `-1`

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

Table 3: Wyckoff site: `8c`, site symmetry: `..2'`

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

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

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

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

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