MSG No. 114.280 $P_c\bar{4}2_1c$ [Type IV, tetragonal]

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

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

Table 2: Wyckoff site: `4b`, site symmetry: `-4..`

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

Table 3: Wyckoff site: `4c`, site symmetry: `2.m'm'`

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

Table 4: Wyckoff site: `8d`, site symmetry: `2..`

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

Table 5: Wyckoff site: `8e`, site symmetry: `..m'`

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

Table 6: Wyckoff site: `16f`, 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	$\left[\frac{1}{2}-x,\ y+\frac{1}{2},\ \frac{1}{2}-z\right]$	`[3]`
4	$[-x,\ -y,\ z]$	`[4]`
5	$[y,\ -x,\ -z]$	`[5]`
6	$[-y,\ x,\ -z]$	`[6]`
7	$\left[\frac{1}{2}-y,\ \frac{1}{2}-x,\ z+\frac{1}{2}\right]$	`[7]`
8	$\left[y+\frac{1}{2},\ x+\frac{1}{2},\ z+\frac{1}{2}\right]$	`[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	$\left[\frac{1}{2}-x,\ y+\frac{1}{2},\ -z\right]$	`[11]`
12	$\left[-x,\ -y,\ z+\frac{1}{2}\right]$	`[12]`
13	$\left[y,\ -x,\ \frac{1}{2}-z\right]$	`[13]`
14	$\left[-y,\ x,\ \frac{1}{2}-z\right]$	`[14]`
15	$\left[\frac{1}{2}-y,\ \frac{1}{2}-x,\ z\right]$	`[15]`
16	$\left[y+\frac{1}{2},\ x+\frac{1}{2},\ z\right]$	`[16]`