MSG No. 54.341 $Pcca'$ [Type III, orthorhombic]

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

No.	position	mapping
1	$[0,\ 0,\ 0]$	`[1,7]`
2	$\left[\frac{1}{2},\ 0,\ 0\right]$	`[2,8]`
3	$\left[\frac{1}{2},\ 0,\ \frac{1}{2}\right]$	`[3,5]`
4	$\left[0,\ 0,\ \frac{1}{2}\right]$	`[4,6]`

Table 2: Wyckoff site: `4b`, site symmetry: `-1'`

No.	position	mapping
1	$\left[0,\ \frac{1}{2},\ 0\right]$	`[1,7]`
2	$\left[\frac{1}{2},\ \frac{1}{2},\ 0\right]$	`[2,8]`
3	$\left[\frac{1}{2},\ \frac{1}{2},\ \frac{1}{2}\right]$	`[3,5]`
4	$\left[0,\ \frac{1}{2},\ \frac{1}{2}\right]$	`[4,6]`

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

No.	position	mapping
1	$\left[0,\ y,\ \frac{1}{4}\right]$	`[1,6]`
2	$\left[\frac{1}{2},\ -y,\ \frac{1}{4}\right]$	`[2,5]`
3	$\left[\frac{1}{2},\ y,\ \frac{3}{4}\right]$	`[3,8]`
4	$\left[0,\ -y,\ \frac{3}{4}\right]$	`[4,7]`

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

No.	position	mapping
1	$\left[\frac{1}{4},\ 0,\ z\right]$	`[1,2]`
2	$\left[\frac{1}{4},\ 0,\ z+\frac{1}{2}\right]$	`[3,4]`
3	$\left[\frac{3}{4},\ 0,\ \frac{1}{2}-z\right]$	`[5,6]`
4	$\left[\frac{3}{4},\ 0,\ -z\right]$	`[7,8]`

Table 5: Wyckoff site: `4e`, site symmetry: `..2`

No.	position	mapping
1	$\left[\frac{1}{4},\ \frac{1}{2},\ z\right]$	`[1,2]`
2	$\left[\frac{1}{4},\ \frac{1}{2},\ z+\frac{1}{2}\right]$	`[3,4]`

continued ...

Table 5

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

Table 6: Wyckoff site: `8f`, site symmetry: `1`

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