MSG No. 52.310 $Pn'n'a$ [Type III, orthorhombic]

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

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

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

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

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

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

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

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

Table 5: Wyckoff site: `8e`, site symmetry: `1`

No.	position	mapping
1	$[x,\ y,\ z]$	`[1]`
2	$\left[\frac{1}{2}-x,\ -y,\ z\right]$	`[2]`

continued ...

Table 5

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