SG No. 57 D_{2h}^{11} $Pbcm$ [orthorhombic]

* plus set: $+ [0, 0, 0]$

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

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

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

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

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

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

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

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

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

No.	position	mapping
1	$[x, y, z]$	`[1]`

continued ...

Table 5

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

$\left[-x,\ -y,\ z+\frac{1}{2}\right]$ [2]

$\left[-x,\ y+\frac{1}{2},\ \frac{1}{2}-z\right]$ [3]

$\left[x,\ \frac{1}{2}-y,\ -z\right]$ [4]

$\left[-x,\ -y,\ -z\right]$

$\left[x,\ y,\ \frac{1}{2}-z\right]$

$\left[x,\ \frac{1}{2}-y,\ z+\frac{1}{2}\right]$