SG No. 52 D_{2h}^{6} $Pnna$ [orthorhombic]

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

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

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

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

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

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

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

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

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

continued ...

Table 5

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