SG No. 107 C_{4v}^{9} $I4mm$ [tetragonal]

* plus set: $+[0,\ 0,\ 0]$, $+\left[\frac{1}{2},\ \frac{1}{2},\ \frac{1}{2}\right]$

Table 1: Wyckoff site: `2a`, site symmetry: `4mm`

No.	position	mapping
1	$[0,\ 0,\ z]$	`[1,2,3,4,5,6,7,8]`

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

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

Table 3: Wyckoff site: `8c`, site symmetry: `..m`

No.	position	mapping
1	$[x,\ x,\ z]$	`[1,8]`
2	$[-x,\ -x,\ z]$	`[2,7]`
3	$[-x,\ x,\ z]$	`[3,6]`
4	$[x,\ -x,\ z]$	`[4,5]`

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

No.	position	mapping
1	$[x,\ 0,\ z]$	`[1,5]`
2	$[-x,\ 0,\ z]$	`[2,6]`
3	$[0,\ x,\ z]$	`[3,8]`
4	$[0,\ -x,\ z]$	`[4,7]`

Table 5: Wyckoff site: `16e`, site symmetry: `1`

No.	position	mapping
1	$[x,\ y,\ z]$	`[1]`
2	$[-x,\ -y,\ z]$	`[2]`
3	$[-y,\ x,\ z]$	`[3]`
4	$[y,\ -x,\ z]$	`[4]`
5	$[x,\ -y,\ z]$	`[5]`
6	$[-x,\ y,\ z]$	`[6]`

continued ...

Table 5

No.	position	mapping
7	$[-y, -x, z]$	`[7]`
8	$[y, x, z]$	`[8]`