MSG No. 46.245 $Im'a'2$ [Type III, orthorhombic]

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

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

Table 2: Wyckoff site: `4b`, site symmetry: `m'..`

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

Table 3: Wyckoff site: `8c`, site symmetry: `1`

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