MSG No. 20.34 $C22'2'_1$ [Type III, orthorhombic]

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

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

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

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

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

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