MSG No. 19.29 $P_C2_12_12_1$ [Type IV, orthorhombic]

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

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

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

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

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

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