MSG No. 19.28 $P_c2_12_12_1$ [Type IV, orthorhombic]

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

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

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

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

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	$\left[x, y, z+\frac{1}{2}\right]$	`[5]`
6	$\left[x+\frac{1}{2}, \frac{1}{2}-y, \frac{1}{2}-z\right]$	`[6]`
7	$\left[-x, y+\frac{1}{2}, -z\right]$	`[7]`
8	$\left[\frac{1}{2}-x, -y, z\right]$	`[8]`