

MSG No. 29.106  $P_c ca2_1$  [ Type IV, orthorhombic ]

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

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

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

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

Table 3: Wyckoff site: 4c, site symmetry: m'..

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

Table 4: Wyckoff site: 8d, site symmetry: 1

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