

MSG No. 60.422 $Pb'c'n$ [Type III, orthorhombic]

Table 1: Wyckoff site: 4a, site symmetry: -1

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

Table 2: Wyckoff site: 4b, site symmetry: -1

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

Table 3: Wyckoff site: 4c, site symmetry: .2'.

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

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

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