

MSG No. 104.204 $P4nc1'$ [Type II, tetragonal]

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

No.	position	mapping
1	[0, 0, z]	[1,2,3,4,9,10,11,12]
2	[\frac{1}{2}, \frac{1}{2}, z + \frac{1}{2}]	[5,6,7,8,13,14,15,16]

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

No.	position	mapping
1	[0, \frac{1}{2}, z]	[1,4,9,12]
2	[\frac{1}{2}, 0, z]	[2,3,10,11]
3	[\frac{1}{2}, 0, z + \frac{1}{2}]	[5,6,13,14]
4	[0, \frac{1}{2}, z + \frac{1}{2}]	[7,8,15,16]

Table 3: Wyckoff site: 8c, site symmetry: 11'

No.	position	mapping
1	[x, y, z]	[1,9]
2	[-y, x, z]	[2,10]
3	[y, -x, z]	[3,11]
4	[-x, -y, z]	[4,12]
5	[\frac{1}{2} - x, y + \frac{1}{2}, z + \frac{1}{2}]	[5,13]
6	[x + \frac{1}{2}, \frac{1}{2} - y, z + \frac{1}{2}]	[6,14]
7	[\frac{1}{2} - y, \frac{1}{2} - x, z + \frac{1}{2}]	[7,15]
8	[y + \frac{1}{2}, x + \frac{1}{2}, z + \frac{1}{2}]	[8,16]