

MSG No. 30.121  $P_Cnc2$  [ Type IV, orthorhombic ]

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

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

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

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

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

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

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

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