

Table 1: Wyckoff site: **4a**, site symmetry:  $m'm'2$

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

Table 2: Wyckoff site: **4b**, site symmetry:  $m'm2'$

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

Table 3: Wyckoff site: **4c**, site symmetry:  $m'm'2$

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

Table 4: Wyckoff site: **4d**, site symmetry:  $m'm2'$

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

Table 5: Wyckoff site: **8e**, site symmetry:  $.m'$

No.	position	mapping
1	$[x, 0, z]$	$[1, 12]$
2	$[-x, 0, z]$	$[2, 11]$

*continued ...*

Table 5

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

Table 6: Wyckoff site: **8f**, site symmetry: **.m**.

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

Table 7: Wyckoff site: **8g**, site symmetry: **m'**..

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

Table 8: Wyckoff site: **8h**, site symmetry: **m'**..

No.	position	mapping
1	$[\frac{1}{2}, y, z]$	[1,11]
2	$[\frac{1}{2}, -y, z]$	[2,12]
3	$[\frac{1}{2}, y, z + \frac{1}{2}]$	[3,9]
4	$[\frac{1}{2}, -y, z + \frac{1}{2}]$	[4,10]
5	$[\frac{1}{2}, y + \frac{1}{2}, z + \frac{1}{2}]$	[5,15]

*continued ...*

Table 8

No.	position	mapping
6	$[\frac{1}{2}, \frac{1}{2} - y, z + \frac{1}{2}]$	[6,16]
7	$[\frac{1}{2}, y + \frac{1}{2}, z]$	[7,13]
8	$[\frac{1}{2}, \frac{1}{2} - y, z]$	[8,14]

Table 9: Wyckoff site: 16i, site symmetry: 1

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