

Table 1: Wyckoff site: 2a, site symmetry: $\dots 2/m1'$

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

Table 2: Wyckoff site: 2b, site symmetry: $\dots 2/m1'$

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

Table 3: Wyckoff site: 2c, site symmetry: $\dots 2/m1'$

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

Table 4: Wyckoff site: 2d, site symmetry: $\dots 2/m1'$

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

Table 5: Wyckoff site: 2e, site symmetry: $2221'$

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

Table 6: Wyckoff site: 2f, site symmetry: $2221'$

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

Table 7: Wyckoff site: 2g, site symmetry: 2221'

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

Table 8: Wyckoff site: 2h, site symmetry: 2221'

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

Table 9: Wyckoff site: 4i, site symmetry: 2..1'

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

Table 10: Wyckoff site: 4j, site symmetry: 2..1'

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

Table 11: Wyckoff site: 4k, site symmetry: .2.1'

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

Table 12: Wyckoff site: 4l, site symmetry: $.2.1'$

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

Table 13: Wyckoff site: 4m, site symmetry: $..21'$

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

Table 14: Wyckoff site: 4n, site symmetry: $..21'$

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

Table 15: Wyckoff site: 4o, site symmetry: $..21'$

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

Table 16: Wyckoff site: 4p, site symmetry: $..21'$

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

Table 17: Wyckoff site: 4q, site symmetry: $\cdot\cdot m1'$

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

Table 18: Wyckoff site: 8r, site symmetry: $11'$

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