

Table 1: Wyckoff site: 1a, site symmetry:  $4221'$

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

Table 2: Wyckoff site: 1b, site symmetry:  $4221'$

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

Table 3: Wyckoff site: 1c, site symmetry:  $4221'$

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

Table 4: Wyckoff site: 1d, site symmetry:  $4221'$

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

Table 5: Wyckoff site: 2e, site symmetry:  $222.1'$

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

Table 6: Wyckoff site: 2f, site symmetry:  $222.1'$

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

Table 7: Wyckoff site: 2g, site symmetry:  $4..1'$ 

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

Table 8: Wyckoff site: 2h, site symmetry:  $4..1'$ 

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

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

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

Table 10: Wyckoff site: 4j, site symmetry:  $..21'$ 

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

Table 11: Wyckoff site: 4k, site symmetry:  $..21'$ 

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

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

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

Table 13: Wyckoff site: 4m, site symmetry:  $.2.1'$ 

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

Table 14: Wyckoff site: 4n, site symmetry:  $.2.1'$ 

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

Table 15: Wyckoff site: 4o, site symmetry:  $.2.1'$ 

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

Table 16: Wyckoff site: 8p, 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	$[x, -y, -z]$	$[4, 12]$

*continued ...*

Table 16

No.	position	mapping
5	$[-x, y, -z]$	[5,13]
6	$[-x, -y, z]$	[6,14]
7	$[y, x, -z]$	[7,15]
8	$[-y, -x, -z]$	[8,16]