

Table 1: Wyckoff site: 4a, site symmetry:  $-1'$

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

Table 2: Wyckoff site: 4b, site symmetry:  $-1'$

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

Table 3: Wyckoff site: 4c, site symmetry:  $.m$ .

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

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

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