

MSG No. 37.182 $Cc'c2'$ [Type III, orthorhombic]

Table 1: Wyckoff site: 4a, site symmetry: $\dots 2'$

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

Table 2: Wyckoff site: 4b, site symmetry: $\dots 2'$

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

Table 3: Wyckoff site: 4c, site symmetry: $\dots 2'$

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

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

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