

MSG No. 29.108 P_{Bca2_1} [Type IV, orthorhombic]

Table 1: Wyckoff site: 4a, site symmetry: ...2'

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

Table 2: Wyckoff site: 4b, site symmetry: ...2'

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

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

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