

MPG No. 8.6.125 $m'mm$ (mmm' setting) [Type III, orthorhombic]

 Table 1: Wyckoff site: **1o**, site symmetry: **mmm'**

No.	position	mapping
1	[0, 0, 0]	[1, 2, 3, 4, 5, 6, 7, 8]

 Table 2: Wyckoff site: **2a**, site symmetry: **2'mm'**

No.	position	mapping
1	[x, 0, 0]	[1, 2, 3, 4]
2	[-x, 0, 0]	[5, 6, 7, 8]

 Table 3: Wyckoff site: **2b**, site symmetry: **m2'm'**

No.	position	mapping
1	[0, y, 0]	[1, 4, 5, 8]
2	[0, -y, 0]	[2, 3, 6, 7]

 Table 4: Wyckoff site: **2c**, site symmetry: **mm2**

No.	position	mapping
1	[0, 0, z]	[1, 3, 6, 8]
2	[0, 0, -z]	[2, 4, 5, 7]

 Table 5: Wyckoff site: **4d**, site symmetry: **m..**

No.	position	mapping
1	[0, y, z]	[1, 8]
2	[0, -y, z]	[3, 6]
3	[0, y, -z]	[4, 5]
4	[0, -y, -z]	[2, 7]

 Table 6: Wyckoff site: **4e**, site symmetry: **.m.**

No.	position	mapping
1	[x, 0, z]	[1, 3]

continued ...

Table 6

No.	position	mapping
2	$[-x, 0, z]$	[6,8]
3	$[-x, 0, -z]$	[5,7]
4	$[x, 0, -z]$	[2,4]

Table 7: Wyckoff site: 4f, site symmetry: . .m'

No.	position	mapping
1	$[x, y, 0]$	[1,4]
2	$[-x, -y, 0]$	[6,7]
3	$[-x, y, 0]$	[5,8]
4	$[x, -y, 0]$	[2,3]

Table 8: Wyckoff site: 8g, site symmetry: 1

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