MPG No. 24.4.90 $62'2'$ [Type III, hexagonal]

Table 1: Wyckoff site: 1o, site symmetry: 62'2'

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

Table 2: Wyckoff site: 2a, site symmetry: 6..

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

Table 3: Wyckoff site: 6b, site symmetry: .2'.

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

Table 4: Wyckoff site: 6c, site symmetry: ..2

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

Table 5: Wyckoff site: 12d, site symmetry: 1

No.	position	mapping
1	$[x, y, z]$	[1]
2	$[-y, x - y, z]$	[3]
3	$[-x + y, -x, z]$	[5]

Table 5

No.	position	mapping
4	$[-x,\ -y,\ z]$	[4]
5	$[y,\ -x+y,\ z]$	[6]
6	$[x-y,\ x,\ z]$	[2]
7	$[y,\ x,\ -z]$	[9]
8	$[x-y,\ -y,\ -z]$	[7]
9	$[-x,\ -x+y,\ -z]$	[11]
10	$[-y,\ -x,\ -z]$	[12]
11	$[-x+y,\ y,\ -z]$	[10]
12	$[x,\ x-y,\ -z]$	[8]

	position	mapping
4	$[-x,\ -y,\ z]$	[4]
5	$[y,\ -x+y,\ z]$	[6]
6	$[x-y,\ x,\ z]$	[2]
7	$[y,\ x,\ -z]$	