MPG No. 33.3.133 $\bar{4}'2'm$ (-4'm2' setting) [Type III, tetragonal]

Table 1: Wyckoff site: `1o`, site symmetry: `-4'm2'`

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

Table 2: Wyckoff site: `2a`, site symmetry: `2mm.`

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

Table 3: Wyckoff site: `4b`, site symmetry: `..2'`

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

Table 4: Wyckoff site: `4c`, site symmetry: `.m.`

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

Table 5: Wyckoff site: `8d`, site symmetry: `1`

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

continued ...

Table 5

No.	position	mapping
8	$[-y,\ -x,\ -z]$	[3]