MSG No. 95.139 $P4'_32'2$ [Type III, tetragonal]

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

No.	position	mapping
1	$[0,\ y,\ 0]$	`[1,8]`
2	$\left[0,\ -y,\ \frac{1}{2}\right]$	`[2,7]`
3	$\left[y,\ 0,\ \frac{1}{4}\right]$	`[3,6]`
4	$\left[-y,\ 0,\ \frac{3}{4}\right]$	`[4,5]`

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

No.	position	mapping
1	$\left[\frac{1}{2},\ y,\ 0\right]$	`[1,8]`
2	$\left[\frac{1}{2},\ -y,\ \frac{1}{2}\right]$	`[2,7]`
3	$\left[y,\ \frac{1}{2},\ \frac{1}{4}\right]$	`[3,6]`
4	$\left[-y,\ \frac{1}{2},\ \frac{3}{4}\right]$	`[4,5]`

Table 3: Wyckoff site: `4c`, site symmetry: `..2`

No.	position	mapping
1	$\left[x,\ x,\ \frac{5}{8}\right]$	`[1,3]`
2	$\left[-x,\ -x,\ \frac{1}{8}\right]$	`[2,4]`
3	$\left[-x,\ x,\ \frac{3}{8}\right]$	`[5,8]`
4	$\left[x,\ -x,\ \frac{7}{8}\right]$	`[6,7]`

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

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