MSG No. 18.22 $P_B2_12_12$ [Type IV, orthorhombic]

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

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

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

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

Table 3: Wyckoff site: `8c`, site symmetry: `1`

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