MSG No. 173.129 $P6_3$ [Type I, hexagonal]

Table 1: Wyckoff site: `2a`, site symmetry: `3..`

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

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

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

Table 3: Wyckoff site: `6c`, site symmetry: `1`

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