

MSG No. 92.112  $P4_12_121'$  [ Type II, tetragonal ]

Table 1: Wyckoff site: 4a, site symmetry:  $\cdot\cdot 21'$

No.	position	mapping
1	$[x, x, 0]$	$[1, 7, 9, 15]$
2	$[\frac{1}{2} - x, x + \frac{1}{2}, \frac{1}{4}]$	$[2, 5, 10, 13]$
3	$[x + \frac{1}{2}, \frac{1}{2} - x, \frac{3}{4}]$	$[3, 4, 11, 12]$
4	$[-x, -x, \frac{1}{2}]$	$[6, 8, 14, 16]$

Table 2: Wyckoff site: 8b, site symmetry:  $11'$

No.	position	mapping
1	$[x, y, z]$	$[1, 9]$
2	$[\frac{1}{2} - y, x + \frac{1}{2}, z + \frac{1}{4}]$	$[2, 10]$
3	$[y + \frac{1}{2}, \frac{1}{2} - x, z + \frac{3}{4}]$	$[3, 11]$
4	$[x + \frac{1}{2}, \frac{1}{2} - y, \frac{3}{4} - z]$	$[4, 12]$
5	$[\frac{1}{2} - x, y + \frac{1}{2}, \frac{1}{4} - z]$	$[5, 13]$
6	$[-x, -y, z + \frac{1}{2}]$	$[6, 14]$
7	$[y, x, -z]$	$[7, 15]$
8	$[-y, -x, \frac{1}{2} - z]$	$[8, 16]$