

MSG No. 92.113 $P4'_12_12'$ [Type III, tetragonal]

Table 1: Wyckoff site: 4a, site symmetry: $\dots 2'$

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

Table 2: Wyckoff site: 8b, site symmetry: 1

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