PG No. 11 C_{4h} $4/m$ [tetragonal]

Table 1: Wyckoff site: 1o, site symmetry: 4/m..

No.	position	mapping
1	$[0, 0, 0]$	[1,2,3,4,5,6,7,8]

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

No.	position	mapping
1	$[0, 0, z]$	[1,2,3,4]
2	$[0, 0, -z]$	[5,6,7,8]

Table 3: Wyckoff site: 4b, site symmetry: m..

No.	position	mapping
1	$[x, y, 0]$	[1,6]
2	$[-x, -y, 0]$	[2,5]
3	$[-y, x, 0]$	[3,8]
4	$[y, -x, 0]$	[4,7]

Table 4: Wyckoff site: 8c, site symmetry: 1

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