# SG No. 75  $C_4^1$  $P4$  [ tetragonal ]

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

| No. | position | mapping |
|-----|----------|---------|
| 1 | $[0,\, 0,\, z]$ | [1,2,3,4] |

Table 2: Wyckoff site: 1b, site symmetry: 4..

| No. | position | mapping |
|-----|----------|---------|
| 1 | $\left[\frac{1}{2},\, \frac{1}{2},\, z\right]$ | [1,2,3,4] |

Table 3: Wyckoff site: 2c, site symmetry: 2..

| No. | position | mapping |
|-----|----------|---------|
| 1 | $\left[0,\, \frac{1}{2},\, z\right]$ | [1,2] |
| 2 | $\left[\frac{1}{2},\, 0,\, z\right]$ | [3,4] |

Table 4: Wyckoff site: 4d, 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] |