

$\mu 112_1$

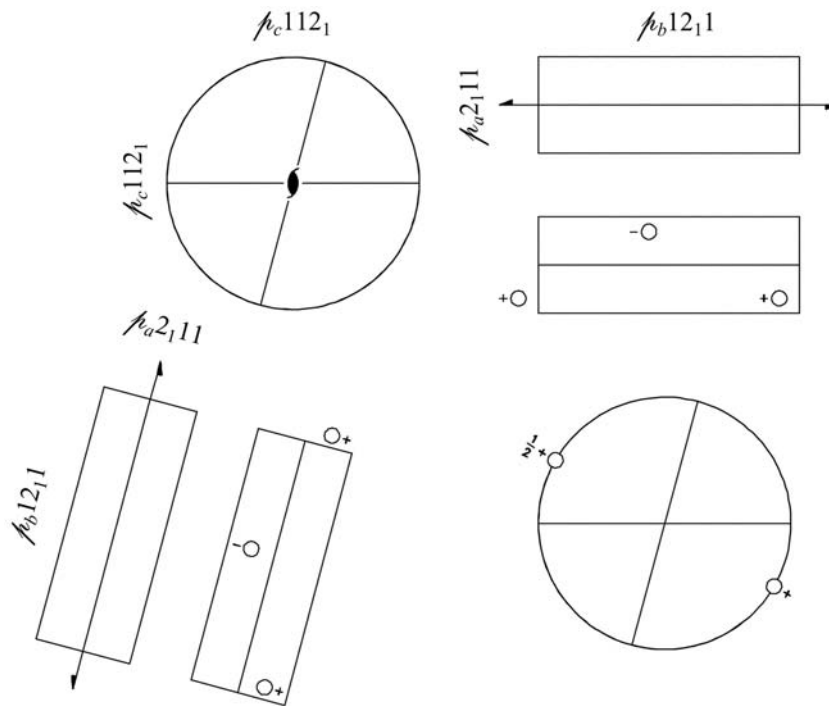
2

Monoclinic/Rectangular

No. 9

$\mu 112_1$

Patterson symmetry $\mu 112/m$



Origin on 2_1

Asymmetric unit $0 \leq x; 0 \leq z \leq 1$

Symmetry operations

- (1) 1 (2) $2(\frac{1}{2}) 0, 0, z$
 (1|0, 0, 0) (2_z|0, 0, $\frac{1}{2}$)

Generators selected (1); $t(0,0,1)$; (2)

Positions

Multiplicity, Wyckoff letter, Site symmetry	Coordinates	Reflection conditions
2 <i>a</i> 1	(1) x, y, z (2) $\bar{x}, \bar{y}, z + \frac{1}{2}$	General: $l : l = 2n$

Symmetry of special projections

Along [001] 211	Along [100] $\bar{1}11g$	Along [010] $\bar{1}11g$
Origin at 0,0,z	$\mathbf{a}' = \mathbf{c}$ Origin at $x, 0, 0$	$\mathbf{a}' = \mathbf{c}$ Origin at 0,y,0

Maximal non-isotypic non-enantiomorphic subgroups

I $[2]\bar{1}1(1) 1$

IIa none

IIb none

Maximal isotypic subgroups and enantiomorphic subgroups of lowest index

IIc $[3]\bar{1}112_1 (\mathbf{c}' = 3\mathbf{c}) (9)$

Minimal non-isotypic non-enantiomorphic supergroups

I $[2]\bar{1}112_1/m (12)$; $[2]\bar{1}222_1 (14)$; $[2]\bar{1}m c 2_1 (17)$; $[2]\bar{1}4_1 (24)$; $[2]\bar{1}4_3 (26)$; $[3]\bar{1}6_1 (54)$; $[3]\bar{1}6_3 (56)$; $[3]\bar{1}6_5 (58)$

II $[2]\bar{1}112 (\mathbf{c}' = \frac{1}{2}\mathbf{c}) (8)$