

$\bar{1} 1 g$

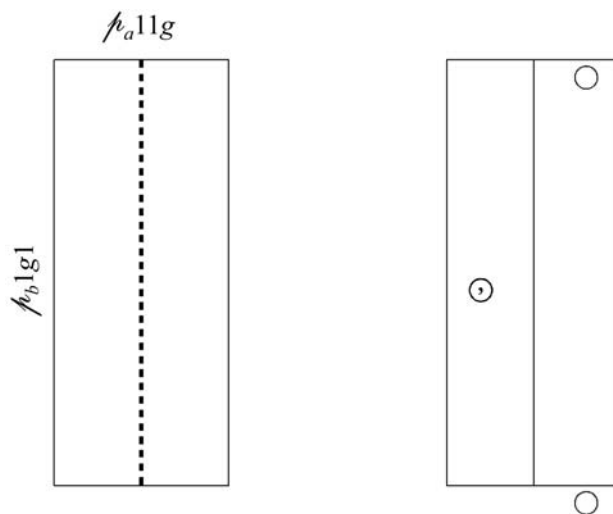
$m$

Rectangular

No. 5

$\bar{1} 1 g$

Patterson symmetry  $\bar{1} 2 m m$



Origin on  $g$

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

Symmetry operations

(1) 1 (2)  $g \ x, 0$

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

Positions

Multiplicity,  
Wyckoff letter,  
Site symmetry

Coordinates

Reflection conditions

2  $a$  1 (1)  $x, y$  (2)  $x + \frac{1}{2}, \bar{y}$

General:

$h : h = 2n$

Symmetry of special projections

Along  $[10] m$

Origin at  $x, 0$

Along  $[01] \bar{1} 1$

$\mathbf{a}' = \frac{1}{2}\mathbf{a}$

Origin at  $0, y$

Maximal non-isotypic subgroups

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

IIa none

IIb none

Maximal isotypic subgroups of lowest index

IIc  $[3] \bar{1} 1 g (\mathbf{a}' = 3\mathbf{a}) (5)$

Minimal non-isotypic supergroups

I  $[2] \bar{1} 2 m g (7)$

II  $[2] \bar{1} 1 1 m (\mathbf{a}' = \frac{1}{2}\mathbf{a}) (4)$