

Monoclinic

6. SCANNING TABLES

 Laue class $C_{2h} - 2/m$

 No. 15 $C2/c$
 C_{2h}^6
 $\mathcal{G} = C12/c1$ UNIQUE AXIS b

CELL CHOICE 1

 $\mathcal{G} = A112/a$ UNIQUE AXIS c

Orientation orbit (hkl)	Conventional basis of the scanning group \mathbf{a}' \mathbf{b}' \mathbf{d}	Scanning group \mathcal{H}	Linear orbit \mathbf{sd}	Sectional layer group $\mathcal{L}(\mathbf{sd})$	
UNIQUE AXIS b (010)	\mathbf{c} \mathbf{a} \mathbf{b}	$A112/a$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p112/a$	L07
UNIQUE AXIS c (001)	\mathbf{a} \mathbf{b} \mathbf{c}		$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p112/n$ ($\mathbf{b}/4$) $p112$ ($\mathbf{a}/4$)	L07 L03
UNIQUE AXIS b ($n0m$)	\mathbf{b} $n\mathbf{c} - m\mathbf{a}$ $p\mathbf{c} + q\mathbf{a}$				
UNIQUE AXIS c ($mn0$)	\mathbf{c} $n\mathbf{a} - m\mathbf{b}$ $p\mathbf{a} + q\mathbf{b}$ n odd m even p even q odd	$B2/b11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p2/b11$ $p2_1/b11$ ($\mathbf{a}'/4$) $pb11$	L16 L17 L12
	n even m odd p odd q even	$C2/c11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$\widehat{p}\overline{1}$ $c211$ $\widehat{p}1$	L02 L12 L01
	n even m odd p odd q odd	$C2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$\widehat{p}\overline{1}$ $c211$ ($\mathbf{b}'/4$) $\widehat{p}1$	L02 L10 L01
	n odd m odd p even q odd	$B2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p2_1/b11$ $p2/b11$ ($\mathbf{a}'/4$) $pb11$ ($\mathbf{a}'/4$)	L17 L16 L12
	n odd m odd p odd q even	$I2/c11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p2_1/b11$ $p2/b11$ [$(\mathbf{a}' + \mathbf{b}')/4$] $pb11$ ($\mathbf{a}'/4$)	L17 L16 L12
	n odd m even p odd q odd	$I2/b11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p2/b11$ $p2_1/b11$ [$(\mathbf{a}' + \mathbf{b}')/4$] $pb11$	L16 L17 L12

No. 15 $C2/c$

C_{2h}^6

CELL CHOICE $\tilde{1}$

$$\mathcal{G} = A12/a1 \quad \text{UNIQUE AXIS } b$$

$$\mathcal{G} = B112/b \quad \text{UNIQUE AXIS } c$$

Orientation orbit (<i>hkl</i>)	Conventional basis of the scanning group			Scanning group \mathcal{H}	Linear orbit sd	Sectional layer group $\mathcal{L}(sd)$					
	\mathbf{a}'	\mathbf{b}'	\mathbf{d}								
UNIQUE AXIS <i>b</i> (010)	\mathbf{c}	\mathbf{a}	\mathbf{b}	$B112/b$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p112/b$	L07				
UNIQUE AXIS <i>c</i> (001)	\mathbf{a}	\mathbf{b}	\mathbf{c}		$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p112/n (\mathbf{a}/4)$	L07				
					$[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p112 (\mathbf{b}/4)$	L03				
UNIQUE AXIS <i>b</i> (<i>n0m</i>)	\mathbf{b}	$n\mathbf{c} - m\mathbf{a}$	$p\mathbf{c} + q\mathbf{a}$	$C2/c11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$\widehat{p}\bar{1}$	L02				
UNIQUE AXIS <i>c</i> (<i>mn0</i>)	\mathbf{c}	$n\mathbf{a} - m\mathbf{b}$	$p\mathbf{a} + q\mathbf{b}$					$B2/b11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$c211$	L10
		n odd p even	m even q odd								$I2/b11$
		n even p odd	m odd q even			$I2/b11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p2/b11$	L16		
		n even p odd	m odd q odd						$I2/c11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p2_1/b11 [(a' + b')/4]$
		n odd p even	m odd q odd			$I2/c11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$pb11$			
		n odd p odd	m odd q even						$B2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p2_1/b11$
		n odd p odd	m even q odd			$B2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p2/b11 (a'/4)$			
		n odd p odd	m even q odd						$B2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$pb11 (a'/4)$
		n odd p odd	m even q odd			$C2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$\widehat{p}\bar{1}$			
		n odd p odd	m even q odd						$C2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$c211 (b'/4)$
		n odd p odd	m even q odd			$C2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$\widehat{p}1$			

No. 15 $C2/c$

C_{2h}^6

CELL CHOICE 2

$$\mathcal{G} = A12/n1 \quad \text{UNIQUE AXIS } b$$

$$\mathcal{G} = B112/n \quad \text{UNIQUE AXIS } c$$

Orientation orbit (<i>hkl</i>)	Conventional basis of the scanning group a' b' d	Scanning group \mathcal{H}	Linear orbit sd	Sectional layer group $\mathcal{L}(\mathbf{sd})$	
UNIQUE AXIS <i>b</i> (010)	c a b	$B112/n$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p112/n$	L07
UNIQUE AXIS <i>c</i> (001)	a b c		$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p112/b (\mathbf{a}/4)$ $p112 [(\mathbf{a} + \mathbf{b})/4]$	L07 L03
UNIQUE AXIS <i>b</i> (<i>n0m</i>)	b $n\mathbf{c} - m\mathbf{a}$ $p\mathbf{c} + q\mathbf{a}$				
UNIQUE AXIS <i>c</i> (<i>mn0</i>)	c $n\mathbf{a} - m\mathbf{b}$ $p\mathbf{a} + q\mathbf{b}$ <i>n</i> odd <i>m</i> even <i>p</i> even <i>q</i> odd	$C2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$\widehat{p}\bar{1}$ $c211 (\mathbf{b}'/4)$ $\widehat{p}1$	L02 L10 L01
	<i>n</i> even <i>m</i> odd <i>p</i> odd <i>q</i> even	$B2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p2_1/b11$ $p2/b11 (\mathbf{a}'/4)$ $pb11 (\mathbf{a}'/4)$	L17 L16 L12
	<i>n</i> even <i>m</i> odd <i>p</i> odd <i>q</i> odd	$I2/c11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p2_1/b11$ $p2/b11 [(\mathbf{a}' + \mathbf{b}')/4]$ $pb11 (\mathbf{a}'/4)$	L17 L16 L12
	<i>n</i> odd <i>m</i> odd <i>p</i> even <i>q</i> odd	$I2/b11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p2/b11$ $p2_1/b11 [(\mathbf{a}' + \mathbf{b}')/4]$ $pb11$	L16 L17 L12
	<i>n</i> odd <i>m</i> odd <i>p</i> odd <i>q</i> even	$B2/b11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p2/b11$ $p2_1/b11 (\mathbf{a}'/4)$ $pb11$	L16 L17 L12
	<i>n</i> odd <i>m</i> even <i>p</i> odd <i>q</i> odd	$C2/c11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$\widehat{p}\bar{1}$ $c211$ $\widehat{p}1$	L02 L10 L01

No. 15 $C2/c$

$$\mathcal{G} = C12/n1 \quad \text{UNIQUE AXIS } b$$

C_{2h}^6

CELL CHOICE $\tilde{2}$

$$\mathcal{G} = A112/n \quad \text{UNIQUE AXIS } c$$

Orientation orbit (<i>hkl</i>)	Conventional basis of the scanning group			Scanning group \mathcal{H}	Linear orbit $s\mathbf{d}$	Sectional layer group $\mathcal{L}(s\mathbf{d})$					
	\mathbf{a}'	\mathbf{b}'	\mathbf{d}								
UNIQUE AXIS <i>b</i> (010)	c	a	b	$A112/n$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p112/n$	L07				
UNIQUE AXIS <i>c</i> (001)	a	b	c		$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p112/a (\mathbf{b}/4)$	L07				
					$[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p112 [(\mathbf{a} + \mathbf{b})/4]$	L03				
UNIQUE AXIS <i>b</i> (<i>n0m</i>)	b	$n\mathbf{c} - m\mathbf{a}$	$p\mathbf{c} + q\mathbf{a}$								
UNIQUE AXIS <i>c</i> (<i>mn0</i>)	c	$n\mathbf{a} - m\mathbf{b}$	$p\mathbf{a} + q\mathbf{b}$								
		<i>n</i> odd <i>p</i> even	<i>m</i> even <i>q</i> odd					$B2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p2_1/b11$	L17
		<i>n</i> even <i>p</i> odd	<i>m</i> odd <i>q</i> even					$C2/n11$	$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p2/b11 (\mathbf{a}'/4)$	L16
		<i>n</i> even <i>p</i> odd	<i>m</i> odd <i>q</i> odd					$C2/c11$	$[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$pb11 (\mathbf{a}'/4)$	L12
		<i>n</i> odd <i>p</i> even	<i>m</i> odd <i>q</i> odd					$C2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$\widehat{p}\bar{1}$	L02
		<i>n</i> odd <i>p</i> even	<i>m</i> even <i>q</i> even					$C2/c11$	$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$c211 (\mathbf{b}'/4)$	L10
		<i>n</i> odd <i>p</i> even	<i>m</i> even <i>q</i> odd					$C2/c11$	$[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$\widehat{p}1$	L01
		<i>n</i> even <i>p</i> odd	<i>m</i> odd <i>q</i> odd					$B2/b11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p2/b11$	L16
		<i>n</i> even <i>p</i> odd	<i>m</i> even <i>q</i> odd					$B2/b11$	$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p2_1/b11 (\mathbf{a}'/4)$	L17
		<i>n</i> even <i>p</i> odd	<i>m</i> even <i>q</i> odd					$B2/b11$	$[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$pb11$	L12
		<i>n</i> odd <i>p</i> odd	<i>m</i> odd <i>q</i> even					$I2/b11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p2/b11$	L16
		<i>n</i> odd <i>p</i> odd	<i>m</i> even <i>q</i> even	$I2/b11$	$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p2_1/b11 [(\mathbf{a}' + \mathbf{b}')/4]$	L17				
		<i>n</i> odd <i>p</i> odd	<i>m</i> odd <i>q</i> odd	$I2/b11$	$[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$pb11$	L12				
		<i>n</i> odd <i>p</i> odd	<i>m</i> even <i>q</i> odd	$I2/c11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p2_1/b11$	L17				
		<i>n</i> odd <i>p</i> odd	<i>m</i> odd <i>q</i> odd	$I2/c11$	$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p2/b11 [(\mathbf{a}' + \mathbf{b}')/4]$	L16				
		<i>n</i> odd <i>p</i> odd	<i>m</i> even <i>q</i> odd	$I2/c11$	$[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$pb11 (\mathbf{a}'/4)$	L12				

No. 15 $C2/c$

C_{2h}^6

CELL CHOICE 3

$$\mathcal{G} = I12/a1 \text{ UNIQUE AXIS } b$$

$$\mathcal{G} = I112/b \text{ UNIQUE AXIS } c$$

Orientation orbit (<i>hkl</i>)	Conventional basis of the scanning group			Scanning group \mathcal{H}	Linear orbit $s\mathbf{d}$	Sectional layer group $\mathcal{L}(s\mathbf{d})$
	\mathbf{a}'	\mathbf{b}'	\mathbf{d}			
UNIQUE AXIS <i>b</i> (010)	\mathbf{c}	\mathbf{a}	\mathbf{b}	$I112/b$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p112/b$ L07
UNIQUE AXIS <i>c</i> (001)	\mathbf{a}	\mathbf{b}	\mathbf{c}		$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p112/a [(\mathbf{a} + \mathbf{b})/4]$ L07
					$[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p112 (\mathbf{b}/4)$ L03
UNIQUE AXIS <i>b</i> (<i>n0m</i>)	\mathbf{b}	$n\mathbf{c} - m\mathbf{a}$	$p\mathbf{c} + q\mathbf{a}$			
UNIQUE AXIS <i>c</i> (<i>mn0</i>)	\mathbf{c}	$n\mathbf{a} - m\mathbf{b}$	$p\mathbf{a} + q\mathbf{b}$			
		<i>n</i> odd <i>p</i> even	<i>m</i> even <i>q</i> odd	$I2/c11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p2_1/b11$ L17 $p2/b11 [(\mathbf{a}' + \mathbf{b}')/4]$ L16 $pb11 (\mathbf{a}'/4)$ L12
		<i>n</i> even <i>p</i> odd	<i>m</i> odd <i>q</i> even	$I2/b11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p2/b11$ L16 $p2_1/b11 [(\mathbf{a}' + \mathbf{b}')/4]$ L17 $pb11$ L12
		<i>n</i> even <i>p</i> odd	<i>m</i> odd <i>q</i> odd	$B2/b11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p2/b11$ L16 $p2_1/b11 (\mathbf{a}'/4)$ L17 $pb11$ L12
		<i>n</i> odd <i>p</i> even	<i>m</i> odd <i>q</i> odd	$C2/c11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$\widehat{p}\overline{1}$ L02 $c211$ L10 $\widehat{p}1$ L01
		<i>n</i> odd <i>p</i> odd	<i>m</i> odd <i>q</i> even	$C2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$\widehat{p}\overline{1}$ L02 $c211 (\mathbf{b}'/4)$ L10 $\widehat{p}1$ L01
		<i>n</i> odd <i>p</i> odd	<i>m</i> even <i>q</i> odd	$B2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p2_1/b11$ L17 $p2/b11 (\mathbf{a}'/4)$ L16 $pb11 (\mathbf{a}'/4)$ L12

No. 15 $C2/c$

C_{2h}^6

CELL CHOICE $\tilde{3}$

$$\mathcal{G} = I12/c1 \text{ UNIQUE AXIS } b$$

$$\mathcal{G} = I112/a \text{ UNIQUE AXIS } c$$

Orientation orbit (<i>hkl</i>)	Conventional basis of the scanning group a' b' d	Scanning group \mathcal{H}	Linear orbit sd	Sectional layer group $\mathcal{L}(\mathbf{sd})$	
UNIQUE AXIS <i>b</i> (010)	c a b	<i>I112/a</i>	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	<i>p112/a</i>	L07
UNIQUE AXIS <i>c</i> (001)	a b c		$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	<i>p112/b [(a + b)/4]</i> <i>p112 (a/4)</i>	L07 L03
UNIQUE AXIS <i>b</i> (<i>n0m</i>)	b <i>nc - ma</i> <i>pc + qa</i>				
UNIQUE AXIS <i>c</i> (<i>mn0</i>)	c <i>na - mb</i> <i>pa + qb</i> <i>n</i> odd <i>m</i> even <i>p</i> even <i>q</i> odd	<i>I2/b11</i>	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	<i>p2/b11</i> <i>p2₁/b11 [(a' + b')/4]</i> <i>pb11</i>	L16 L17 L12
	<i>n</i> even <i>m</i> odd <i>p</i> odd <i>q</i> even	<i>I2/c11</i>	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	<i>p2₁/b11</i> <i>p2/b11 [(a' + b')/4]</i> <i>pb11 (a'/4)</i>	L17 L16 L12
	<i>n</i> even <i>m</i> odd <i>p</i> odd <i>q</i> odd	<i>B2/n11</i>	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	<i>p2₁/b11</i> <i>p2/b11 (a'/4)</i> <i>pb11 (a'/4)</i>	L17 L16 L12
	<i>n</i> odd <i>m</i> odd <i>p</i> even <i>q</i> odd	<i>C2/n11</i>	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$\widehat{p}\overline{1}$ <i>c211 (b'/4)</i> $\widehat{p}1$	L02 L10 L01
	<i>n</i> odd <i>m</i> odd <i>p</i> odd <i>q</i> even	<i>C2/c11</i>	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$\widehat{p}\overline{1}$ <i>c211</i> $\widehat{p}1$	L02 L10 L01
	<i>n</i> odd <i>m</i> even <i>p</i> odd <i>q</i> odd	<i>B2/b11</i>	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$ $[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	<i>p2/b11</i> <i>p2₁/b11 (a'/4)</i> <i>pb11</i>	L16 L17 L12