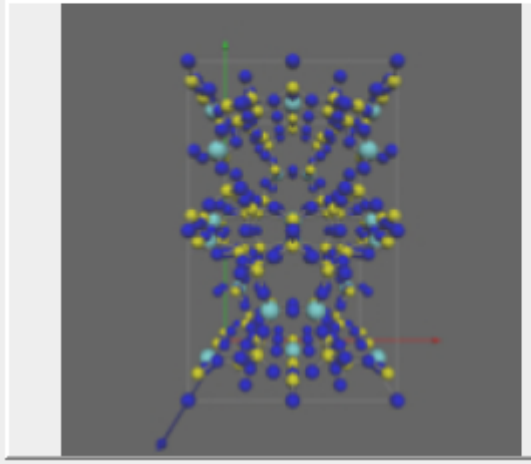
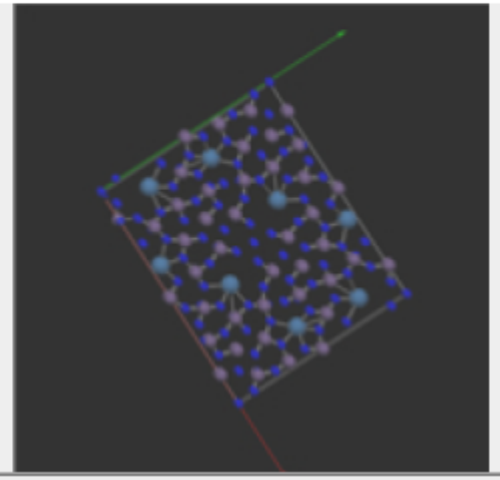
Select crystal

Cubic | Hexagonal | Trigonal | Tetragonal | Orthorhombic | Monoclinic | Triclinic | Other | Mineral | Si3N4 | HTC | Super-cell

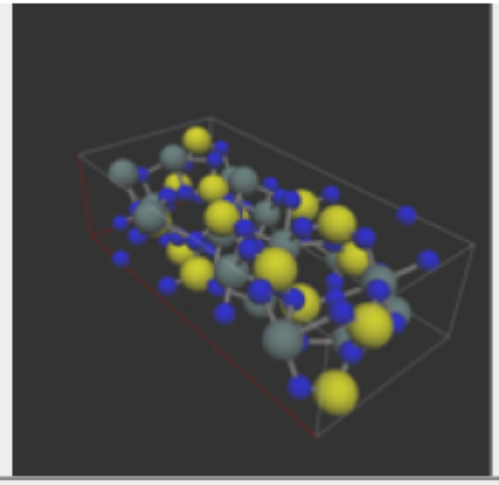
Orthorhombic crystals



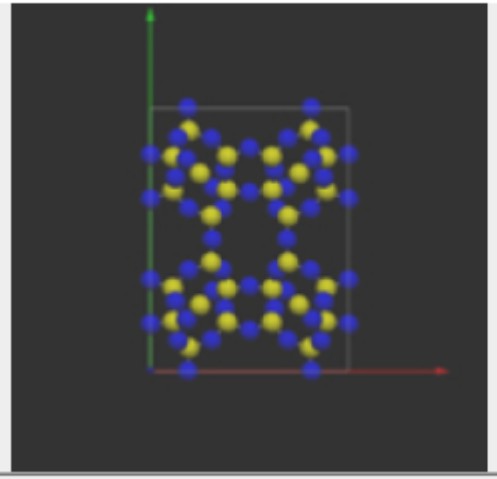
Al5Si107O224 - C 2/m 2/m 2/e



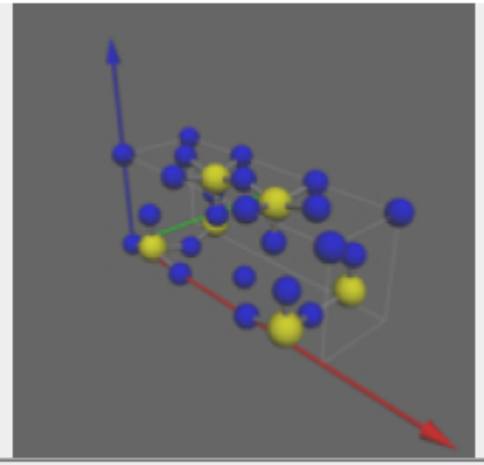
CsNbWO14 - P 21/b 21/a 2/m



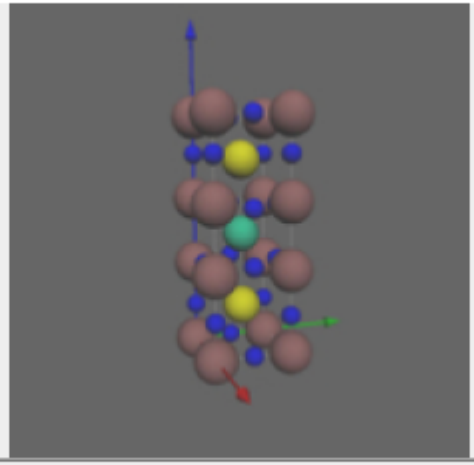
MgSiO4 - P 21/b 21/c 21/a



Si72O144 - F 2/m 2/m 2/m



V2O5 - P 21/m 21/m 2/n



YBa2Cu3O7 - P 2/m 2/m 2/m

- Help on JEMS
- View a crystal structure
- Diffraction pattern
- Transfer function
- Multislice simulation

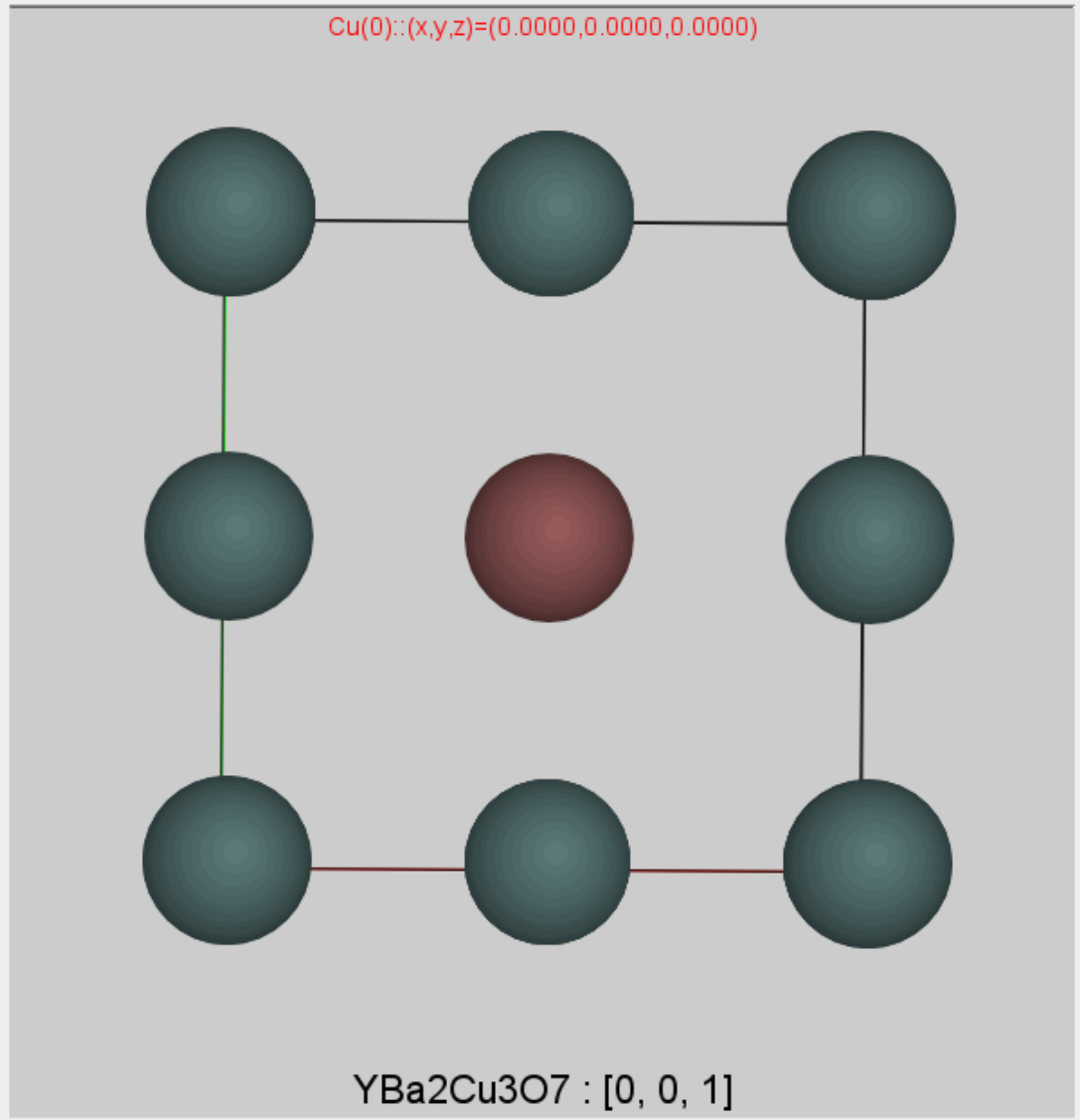
- Import CIF files

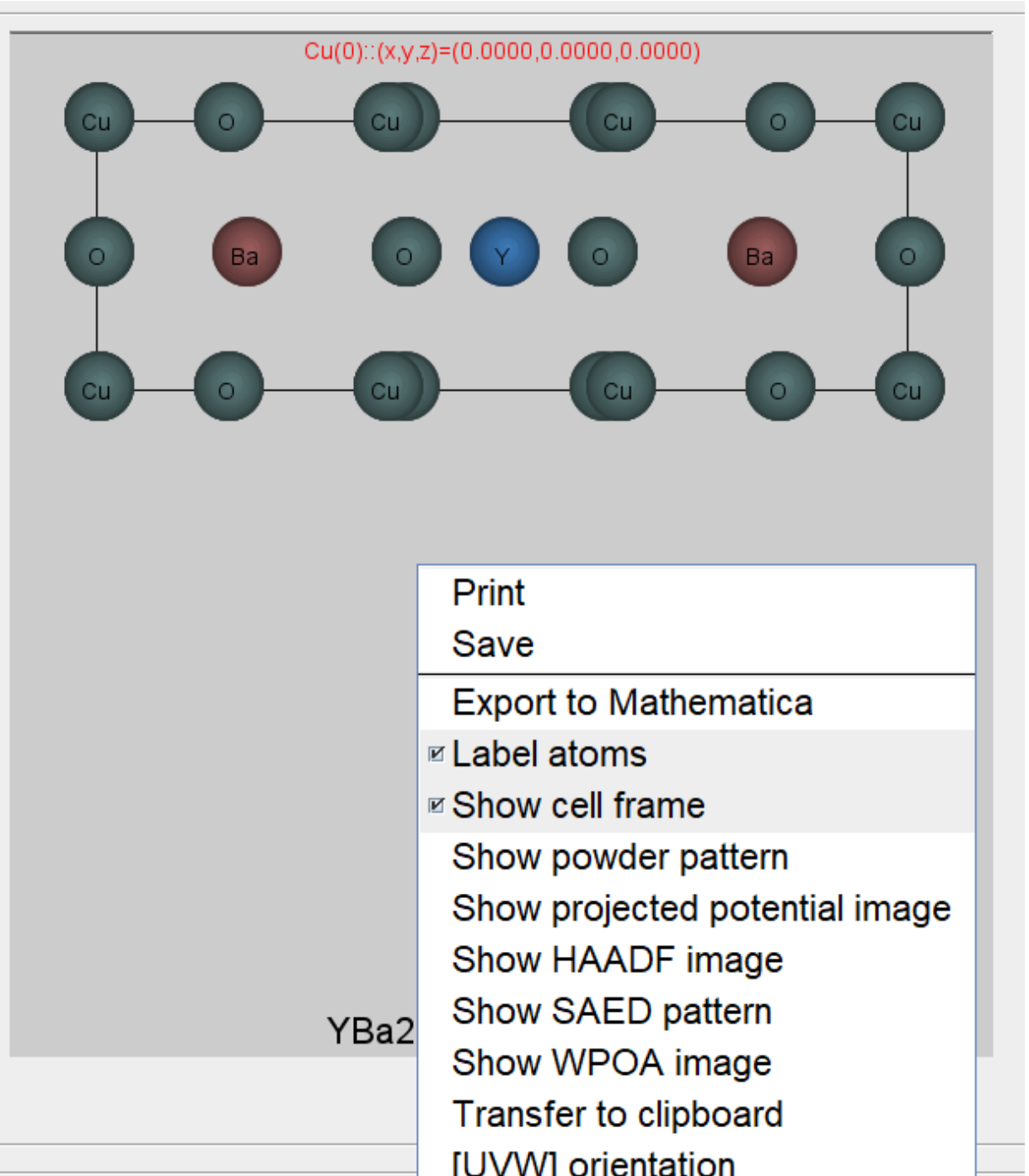
jems::4.12731U2023b22

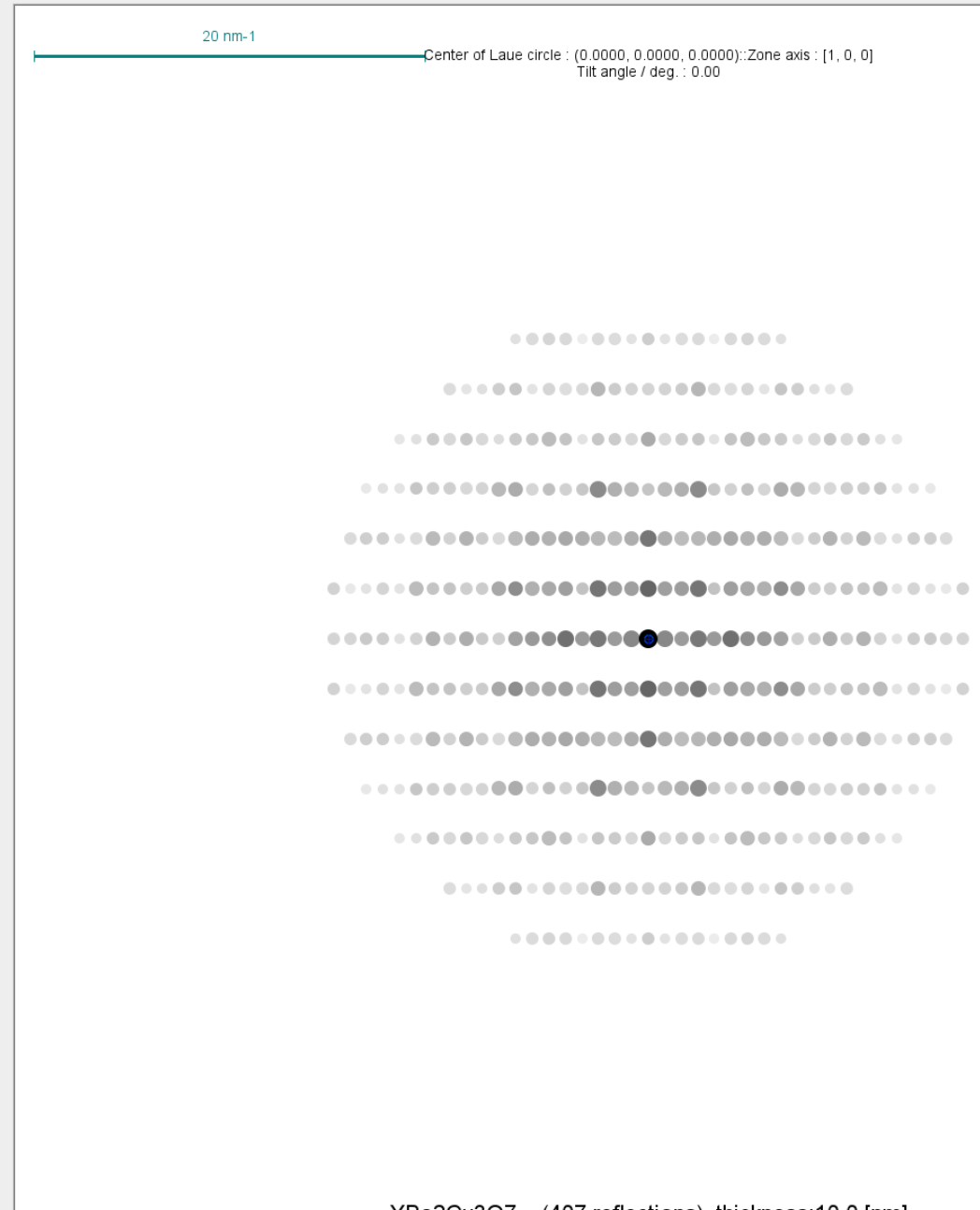
File Crystal Drawing Imaging Indexing Measuring Parameters Window Help

Drawing menu:
- Diffraction Ctrl-D
- Image 3-D Ctrl-I
- Perspective Ctrl-P
- Reciprocal space Ctrl-R
- Stereogram Ctrl-S
- Thon diagram Ctrl-H
- Transfer function Ctrl-T
- X-Ray powder lines Ctrl-X

#	Atom				z	D-W	Oc
0	Y				0.500000	0.0050	1.00
1	Ba				0.183000	0.0050	1.00
2	Ba				0.817000	0.0050	1.00
3	Cu				0.000000	0.0050	1.00
4	Cu				0.355600	0.0050	1.00
5	Cu				0.644400	0.0050	1.00
6	O	e	0.000000	0.500000	0.000000	0.0050	1.00
7	O	s	0.500000	0.000000	0.377900	0.0050	1.00
8	O	s	0.500000	0.000000	0.622100	0.0050	1.00
9	O	r	0.000000	0.500000	0.379000	0.0050	1.00
10	O	r	0.000000	0.500000	0.621000	0.0050	1.00
11	O	r	0.000000	0.000000	0.159000	0.0050	1.00
12	O	r	0.000000	0.000000	0.841000	0.0050	1.00




Cu(0)::(x,y,z)=(0.0000,0.0000,0.0000)
Cu
O
Cu
Cu
O
Cu
O
Ba
O
Y
O
Ba
O
Cu
O
Cu
Cu
O
Cu
Print
Save
Export to Mathematica
Label atoms
Show cell frame
Show powder pattern
Show projected potential image
Show HAADF image
Show SAED pattern
Show WPOA image
Transfer to clipboard
[UVW] orientation
YBa2



Gamma

Avalanche | Crystal / matrix | Diffraction | Lattice | Laue zones | Options | Orientation

Options | Thresholds

- ☐ Background
- ☐ Color
- ☑ Dots
- ☐ Double diff.
- ☐ Fast
- ☐ HOLZ
- ☐ HOLZ shift
- ☐ Indices
- ☐ Kikuchi
- ☐ Laue circles
- ☐ LZ colors
- ☑ Spots
- ☐ ZOLZ def-lin.

Atomic Form Factors

○ DTSB ○ EJK ○ PRDW ○ WK ○ WKc. ◉ XRay ○ JEMS