

Monochromator Crystal Sets

Liquid nitrogen-cooled monochromators at SSRL have two permanently installed crystal sets each which users can request. The distribution of monochromator crystals has been planned such that the most appropriate crystal cuts are available for the most commonly requested energy ranges. Users cannot request crystals for LN2-cooled monochromators that are not one of the two options already installed. Bending magnet beam lines have water-cooled monochromators, that can be replaced on demand (BL2-3 and BL14-3).

Available crystal sets in LN2-cooled monochromators at SSRL:

- BL7-3: Si(220)- $\phi=0$ or Si(220)- $\phi=90$
- BL9-3: Si(220)- $\phi=0$ or Si(220)- $\phi=90$
- BL4-3: Si(111)- $\phi=0$ or Si(111)- $\phi=90$
- BL14-3: Si(111)- $\phi=0$ or Si(111)- $\phi=90$
- BL6-2: Si(111)- $\phi=0$ or Si(311)- $\phi=0$
- BL2-3: Si(111), Si(220), or Si(400) (water-cooled)
- BL10-2: Si(111)- $\phi=90$ or Si(220)- $\phi=90$