

## **Instrument Papers – Single Crystal Diffraction Suite**

Coates L., Cao H.B., Chakoumakos B.C., Frontzek M., Hoffmann C., Kovalevsky A., Liu Y., Meilleur F., dos Santos A.M., Myles D.A., Wang X.P., Ye F., "[A suite-level review of the neutron single-crystal diffraction instruments at Oak Ridge National Laboratory](#)", *Review of Scientific Instruments*, **89**, 9, 092802 (2018).

### **CORELLI | BL-9 | SNS**

Ye F., Liu Y., Whitfield R.E., Osborn R., Rosenkranz S., "[Implementation of cross correlation for energy discrimination on the time-of-flight spectrometer CORELLI](#)", *Journal of Applied Crystallography*, **51**, 2, 315-322 (2018).

### **DEMAND | HB-3A | HFIR**

Chakoumakos B. C., Cao H., Ye F., Stoica A. D., Popovici M., Sundaram M., Zhou W., Hicks J. S., Lynn G. W., Riedel R. A., "[Four-circle single-crystal neutron diffractometer at the High Flux Isotope Reactor](#)", *Journal of Applied Crystallography*, **44**, 655-658 (2011).

### **IMAGINE | CG-4D | HFIR**

Meilleur F., Kovalevsky A., Myles D.A., "[IMAGINE: The neutron protein crystallography beamline at the high flux isotope reactor](#)", *Methods in Enzymology*, **634**, 69-85 (2020).

### **MANDI | BL-11B | SNS**

Coates L., Sullivan B., "[The macromolecular neutron diffractometer at the spallation neutron source](#)", *Methods in Enzymology*, **634**, 87-99 (2020).

### **SNAP | BL-3 | SNS**

Massani B., Loveday J.S., Molaison J.J., dos Santos A.M., Wang X.P., Daemen L.L., Haberl B., Boehler R., Guthrie M., "[On single-crystal neutron-diffraction in DACs: quantitative structure refinement of light elements on SNAP and TOPAZ](#)", *High Pressure Research*, **40**, 339-357 (2020).

### **TOPAZ | BL-12 | SNS**

Schultz A.J., Joergensen M.R., Wang X.P., Mikkelsen R.L., Mikkelsen D.J., Lynch V.E., Peterson P.F., Hoffmann C. M., "[Integration of neutron time-of-flight single-crystal Bragg peaks in reciprocal space](#)", *Journal of Applied Crystallography*, **47**, 915-921 (2014).

### **WAND<sup>2</sup> | HB-2C | HFIR**

Frontzek M., Whitfield R.E., Andrews K.M., Jones A.B., Brobek M., Vodopivec K., Chakoumakos B.C., Fernandez-Baca J.A., "[WAND<sup>2</sup>—A versatile wide angle neutron powder/single crystal diffractometer](#)", *Review of Scientific Instruments*, **89**, 9, 092801 (2018).