

VERITAS • HB-1A
Versatile Intense Triple-Axis Spectrometer
Low-energy excitations, magnetism, structural transitions
neutrons.ornl.gov/veritas

PTAX • HB-1
Polarized Triple-Axis Spectrometer
Polarized neutron studies of magnetic materials, low-energy excitations, structural transitions
neutrons.ornl.gov/ptax

POWDER • HB-2A
Neutron Powder Diffractometer
Structural studies, magnetic structures, texture and phase analysis
neutrons.ornl.gov/powder

WAND² • HB-2C
Wide-Angle Neutron Diffractometer
Diffuse-scattering studies of single crystals and time-resolved phase transitions
neutrons.ornl.gov/wand

HB-2D
Polarized Neutron Development Station
Development of new components and techniques for utilizing polarized neutrons
neutrons.ornl.gov/developmentbeamlines

HIDRA • HB-2B
High Intensity Diffractometer for Residual stress Analysis
Strain, texture, and phase mapping in engineering materials
neutrons.ornl.gov/hidra

TAX • HB-3
Triple-Axis Spectrometer
Medium- and high-resolution inelastic scattering at thermal energies
neutrons.ornl.gov/tax

DEMAND • HB-3A
Dimensional Extreme Magnetic Neutron Diffractometer
Small unit-cell nuclear & magnetic structural studies
neutrons.ornl.gov/demand

CG-4B
Cold Neutron Polarization Development Beamline
Development of larmor precession techniques
neutrons.ornl.gov/developmentbeamlines

CTAX • CG-4C
Cold Neutron Triple-Axis Spectrometer
High-resolution inelastic scattering at cold neutron energies
neutrons.ornl.gov/ctax

IMAGINE • CG-4D
Laue Diffractometer
Atomic resolution structures in biology, chemistry and complex materials
neutrons.ornl.gov/ imagine

Reactor Pressure Vessel

Cold Neutron Source

CG-1A
Detector Test Station
Detector development and testing
neutrons.ornl.gov/developmentbeamlines

CG-1B
Optics Development Defractometer
Sample alignment and optics
neutrons.ornl.gov/developmentbeamlines

MARS • CG-1D
Multimodal Advanced Radiography Station
Transmission imaging of natural and engineered materials
neutrons.ornl.gov/mars

GP-SANS • CG-2
General-Purpose Small-Angle Neutron Scattering Diffractometer
Materials structure and processing, metallurgy, polymers, geophysics, high-Tc superconductors, complex fluids, magnetism and spin textures
neutrons.ornl.gov/gpsans

Bio-SANS • CG-3
Biological Small-Angle Neutron Scattering Instrument
Proteins and complexes, pharmaceuticals, biomaterials
neutrons.ornl.gov/biosans