

VERITAS • HB-1A

Versatile Intense Triple-Axis Spectrometer

Low-energy excitations, magnetism, structural transitions
neutrons.ornl.gov/veritas

Reactor Pressure Vessel

Cold Neutron Source

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/ntd

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

Polarized Neutron Development Station

Development of larmor precession techniques
neutrons.ornl.gov/ntd

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

CG-1A

Development Beam Line

Detector development and testing
neutrons.ornl.gov/ntd

CG-1B

Sample Alignment Beamline

Sample alignment and optics
neutrons.ornl.gov/ntd

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