CG-1B

Sample Alignment Beamline

Sample alignment and optics

neutrons.ornl.gov/ntd

# FIE-TAX • HB-1A Fixed-Incident-Energy Triple-Axis Spectrometer

Low-energy excitations, magnetism, structural transitions

neutrons.ornl.gov/fietax

### Polarized Triple-Axis Spectrometer

PTAX • HB-1

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

### WAND<sup>2</sup> • 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

Cold

**Neutron** 

Source

Reactor

**Pressure** 

Vessel

### Triple-Axis Spectrometer

Medium- and high-resolution inelastic scattering at thermal energies

neutrons.ornl.gov/tax

### **DEMAND • HB-3A**

### Dimensional Extreme Magnetic Neutron Diffractometer

CG-1A

**Development Beamline** 

Detector development and testing

neutrons.ornl.gov/ntd

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

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### IMAGING • CG-1D

### **Neutron Imaging Facility**

Transmission imaging of natural and engineered materials

neutrons.ornl.gov/imaging

### **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

### **IMAGINE • CG-4D**

### Laue Diffractometer

Atomic resolution structures in biology, chemistry and complex materials

neutrons.ornl.gov/imagine