Neutron Sources

Where Do I Go?

Powder

BT-1 Powder diffractometer (NIST)
HB-2A Neutron Powder Diffractomter (HFIR,(ORNL)
C-2 (Chalk River)
SuperHRPD (J-PARC)
E-6 Focusing Powder Diffractometer (HZB)
E-9 Fine Resolution Powder Diffractometer FIREPOD (HZB)
HRPT Powder diffraction, thermal neutrons, (SINQ)
DMC Powder diffractometer, cold neutrons, (SINQ)
POW-GEN (SNS)
NOMAD PDF (SNS)
GEM (ISIS)
INES (ISIS)
WISH (ISIS)
POLARIS (medium resolution) (ISIS)
PEARL (High pressure) (ISIS)
OSIRIS (ISIS)
HRPD (ISIS)
WOMBAT (ANSTO)
ECHIDNA (ANSTO)
D2B High Resolution powder diffraction (ILL)
D20 High Flux! (ILL)
D1B High Resolution, PSD (ILL)
D4 PDF, Highly absorbing materials (ILL)

Single Crystal

BT-4 --commisioning with 2.5 K displex (NIST)
HB-3A 4 circle at (HFIR, ORNL)
WAND Diffuse Scattering (HFIR/ORNL)
TOPAZ (SNS,ORNL)
CORELLI Diffuse scattering (SNS/ORNL)
E-3 Room temperature (Chalk River)
ORION (alignment) (SINQ)
SENJU (40mk-300K, 7T) (JPARC)
E-5 4 circle (HZB)
EXED 26 T MAGNETIC FIELD (horizontal) (HZB)
ZEBRA 4-circle (PSI)
DNS --Diffuse neutron time of flight spectrometer (FRM2)
E-2 Diffuse scattering, single crystal, powders, Flat cone (HZB)
SXD (ISIS)
KOALA LAUE (ANSTO)
FlatCone (magnetic structures, multiplexed detectors) (ILL)
CYCLOPS Laue (ILL)
OrientExpress Laue Diffuse scattering, alignment (ILL)
D9 Hot neutron 4 circle (ILL)
D10 4 circle with energy analysis (ILL)

Polarized beam Two/Three Axis

BT-7 (NIST)
C-5 (Chalk River)
E-4 2-axis-diffractometer (HZB)
TASP Triple axis (SINQ)
HB1 (HFIR, ORNL)
D23 Two axis lifting counter (ILL)
D3 Good for form factors, can also run CRYOPAD (ILL)

Spherical Polarimetry

IN 12 CryoPad (ILL)
MuPAD (PSI)
POLI (FRM2)