Front end description

Active Feedback System

*Source* Bend magnet synchrotron radiation

*Acceptance Angle*
10 mrad (vert) x 40 mrad (horiz)

*Scientific Applications* Biological samples, environmental samples, novel compounds, forensic studies,

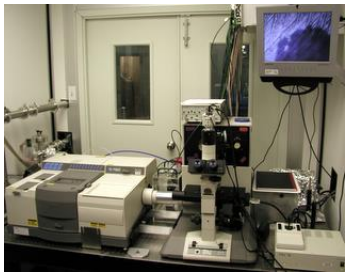
*Beamline Telephone* 510-495-2014

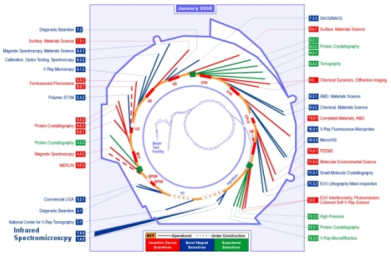
*Endstations* Beamline 1.4.3
Beamline 1.4.4
Beamline 1.4.2

*Description*
Infrared Spectromicroscopy
Infrared Spectromicroscopy
Visible to Far-IR spectroscopy

*Frequency Range*
600-10,000 $cm^{-1}$
800 - 10,000 $cm^{-1}$
20-25,000 $cm^{-1}$

*Spot Size*
3-10 um (diffraction limited)
3-10 um (diffraction limited)
1 mm




January 2008
Diagnostic Beamline
Surface, Materials Science
Magnetic Spectroscopy, Materials Science
Calibration, Optics Testing, Spectroscopy
X-Ray Microscopy
Ferromagnetic Phenomena
Polymer STXM
Protein Crystallography
Protein Crystallography
Magnetic Spectroscopy
MARLIN
Commercial LIGA
Diagnostic Beamline
National Center for X-Ray Tomography
Infrared Spectromicroscopy
SAXS/WAXS
Surface, Materials Science
Protein Crystallography
Tomography
Chemical Dynamics, Diffraction Imaging
AMO, Materials Science
Chemical, Materials Science
Correlated Materials, AMO
X-Ray Fluorescence Microprobe
MicroXAS
HEXAS
Molecular Environmental Science
Small-Molecule Crystallography
EUV Lithography Mask Inspection
EUV Interferometry, Photoemission, Coherent Soft X-Ray Science
High Pressure
Protein Crystallography
X-Ray Microdiffraction
Operational
Under Construction
Insertion Device Beamline
Bend Magnet Beamline
Superbend Beamline