

The materials science beamline at the ESRF

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The Materials Science Beamline at the European Synchrotron Radiation Facility (ID11,BL2) in Grenoble is the one of the first beamlines to be operational at a third-generation high energy synchrotron facility. This beamline has been in operation since Nov. 1992, and it uses a high-power multipole wiggler currently generating 10 kW of x-ray power. Novel technical solutions, such as adaptive mirror technology, cryogenic cooling, sagittal focusing, high-speed diffractometers and imaging intensifier area detectors, have been employed. The experience and examples of achieved results during more than two years of general user operation will be presented.