

BEAMLINE	SCIENTIFIC TOPIC	ENERGY RANGE <i>keV</i>	BEAM SIZE <i>H x V</i>	NOMINAL FLUX <i>ph/sec</i>	DETECTORS	SAMPLE ENVIRONMENT <i>& Beamline Support Labs</i>	TECHNIQUE
BM31 <i>SNBL-II (Swiss-Norwegian Beamlines)</i> SCIENTIST IN CHARGE Hermann Emerich ermano@esrf.fr	Chemistry	4.7 - 80	EXAFS Unfocused DIFFRACTION 100 x 300 μm ² <i>PDF at 40 and 50 keV</i>	EXAFS 10 ¹⁰ DIFFRACTION (focused) 10 ¹² <i>at 40 keV</i>	EXAFS ▪ Ion chambers for transmission measurements ▪ Canberra 13 element Ge-SSD and a "Vortex" silicon drift detector for fluorescence DIFFRACTION ▪ Fast measurements: Dexela 2923M + 6 Si-analyzer channels High Res powder diffractometer	▪ Hot air gas blower ▪ L-N2 cryostreamer, 4.5 K He flow cryostat ▪ RGA-Mass-spec & Massflow meters, back pressure controllers and gas switching rack ▪ Battery cells and sample changers holding 12 cells for RT measurements, 6 cells for T ≤ 200 °C	Diffraction
	Cultural Heritage						Scattering
	Environmental Sciences & Geosciences						Spectroscopy
	Materials processing						