

BEAMLINE	SCIENTIFIC TOPIC	ENERGY RANGE <i>keV</i>	BEAM SIZE <i>H x V</i>	NOMINAL FLUX <i>ph/sec</i>	DETECTORS	SAMPLE ENVIRONMENT & Beamline Support Labs	TECHNIQUE
<p>BM30 <i>FAME-PIX (French Absorption Spectroscopy Beamline in Material & Environmental Sciences) - Ptychography Imaging with X-ray</i></p> <p>SCIENTIST IN CHARGE Jean-Louis Hazemann hazemann@esrf.fr</p>	<p>Biology</p> <p>Chemistry</p> <p>Environmental Sciences & Geosciences</p> <p>Materials Processing</p>	4.8 – 40	200 x 80 μm^2	1 x 10 ¹²	<ul style="list-style-type: none"> Si diodes collecting photons scattered by air in a black chamber for both incident and transmitted intensity measurements Mirion 16-element Ge detector 	<ul style="list-style-type: none"> Helium cryostat (4 – 300 K) HP vessel (1 - 2000 bar; 20 - 1200°C) HT reaction cell for operando characterizations (atm. Pressure; 20 - 1000°C) Remote controlled gas distribution system Cell for air sensitive samples Mass spectrometer <p>Beamline Support lab</p> <ul style="list-style-type: none"> Sample preparation lab 	Spectroscopy