

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
<p>BM16 <i>FAME-UHD (The French Absorption Spectroscopy Beamline in Material & Environmental Sciences at Ultra-High Dilution)</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 – 20	250 x 80 μm^2	1×10^{12}	<ul style="list-style-type: none"> ▪ Crystal Analyser Spectrometer with SDD detector 	<ul style="list-style-type: none"> ▪ Miniature continuous flow 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