

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
BM28 <i>XMaS (UK CRG)</i> SCIENTIST IN CHARGE Didier Wermeille didier.wermeille@esrf.fr	Chemistry	2.035 – 45	FOCUSED BEAM	10 ¹²	<ul style="list-style-type: none"> Avalanche photodiodes Si drift diodes Lambda 750 CdTe Pilatus3-S-1M Pilatus3 300k Maxipix 2x2 Ionisation chambers 	<ul style="list-style-type: none"> Temperature range: 1.8 – 700 K Magnetic field range: 0.1 - 4 T Electric field: up to 10 kV Electrochemical cell Gas chamber for spectroscopy GI-WAXS chamber with temperature control (up to 470 K) Beamline Support labs <ul style="list-style-type: none"> X-ray source lab Sample characterisation lab Sample preparation lab 	Diffraction
	Cultural Heritage		MIN 10 x 10 μm ²				Scattering
	Materials Processing		MAX 80 x 80 μm ²				Scattering
	Physics		UNFOCUSED				Scattering
	Soft Matter		10 x 10 mm ²				Spectroscopy