

Abstract Submitted  
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**Synchrotron X-ray Optics Testing at Beamline 1-BM at the Advanced Photon Source**<sup>1</sup> ALBERT MACRANDER, NARESH KUJALA, Advanced Photon Source, Argonne — Beamline 1-BM at the Advanced Photon Source has been reconfigured, in part for testing of synchrotron optics with both monochromatic and white beams. Monochromatic energies between 6 and 30 keV are available. Primary agendas include both white beam and monochromatic beam topography, Talbot grating interferometry for measurement of coherence lengths and wavefronts, and micro-focusing. Recent examples will include topography of sapphire, tests of Kirkpatrick-Baez mirrors, and tests of multilayer Laue lenses. Analyzers for Inelastic X-ray Scattering has also been characterized by two user groups.

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