

Abstract Submitted
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Upgraded varied-line-space PGM beamline at CAMD PINGHENG
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Baton Rouge, LA 70806 — CAMD is a synchrotron research center at the Louisiana
State University. Recently, the center's aging plane-grating vuv soft x-ray monochromator
beamline was upgraded to a varied-line-space plane-grating monochromator
beamline. Preliminary experiments results show performance improvements in
the resolving power from 1000 to 5000 and the throughput from 10^9 to 10^{11} photons/sec.
100 mA. A polarization aperture providing right and left circular polarized
photon beams from the bending magnet radiation is scheduled to be installed in
the front-end section of this beamline that will provide the opportunity to perform
X-ray Magnetic Circular Dichroism(XMCD) spectrum experiments spectroscopy in
the future.

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