

Abstract Submitted  
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**Upgraded varied-line-space PGM beamline at CAMD** PINGHENG ZHOU, EIZI MORIKAWA, CAMD, Louisiana State University, 6980 Jeffersion Hwy, 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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