

Abstract Submitted  
for the 4CF06 Meeting of  
The American Physical Society

**Conical soft x-ray Von Hamos spectrometer** MATTHEW HARRISON, JOHN E. ELLSWORTH, Physics and Astronomy, Brigham Young University, ALEXANDER SHEVELKO, Lebedev Physical Institute, Moscow, Russia, LARRY V. KNIGHT, Physics and Astronomy, Brigham Young University — The soft x-ray spectroscopy group has designed and implemented a unique form of the Von Hamos spectrometer. Von Hamos spectrometers are used to provide spectral information of laser produced plasmas, and commonly have a detector placed perpendicular to the focusing plane. Such a set up provides a large spectral range at high resolution, but does not allow for absolute intensity information. This new design places our CCD detector parallel to the focusing plane, allowing for the absolute calibration of the plasma source.

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Date submitted: 11 Sep 2006

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