

Abstract Submitted
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Velocity Map Imaging Spectroscopy of the Lanthanide Negative Ions KIATTICHART CHARTKUNCHAND, Department of Physics, University of Nevada, Reno, VERNON DAVIS, Office of Proliferation Detection, National Nuclear Security Administration, United States Department of Energy, JEFFREY THOMPSON, AARON COVINGTON, Department of Physics, University of Nevada, Reno — The technique of Velocity Map Imaging Spectroscopy (VMIS) is being adapted for the study of the heavy negative ions of the Lanthanide series. The VMIS technique will allow us to determine structural properties of these negative ions as well as yield angular distribution information for photon-negative ion interactions. An overview of the experimental apparatus as well as preliminary data on the cerium negative ion Ce^- will be presented.

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