

Abstract Submitted
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Photodetachment of Lanthanide Oxide Anions A.M. COVINGTON, E.D. EMMONS, R.G. KRAUS, J.S. THOMPSON, Physics Department, University of Nevada, Reno, Reno NV 89557-0058, D. CALABRESE, Sierra College, Rocklin, CA 95677, V.T. DAVIS, Defense Threat Reduction Agency CXT2-Det 2, West Desert Test Center, Dugway, UT 84022-5000 — Laser photodetached electron spectroscopy (LPES) has been used to study the structure and collision properties of lanthanide oxide anions including LaO_n^- and CeO_n^- . Preliminary photoelectron spectra from these anions will be presented along with ion beam production data from these and other lanthanide oxide anions.

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