

Abstract Submitted
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L Sub-Shell Cross Sections measured for 75-300 keV protons on Selected Rare-Earth Elements. SAM J. CIPOLLA, Creighton University — L sub-shell x-ray production cross sections were measured for 75-300 keV proton impact on thick elemental targets ranging from Gd through Yb. X-ray yields were measured using a high-resolution Si(Li) detector with an ultra-thin window. The results were compared with ECPSSR theory with and without the united-atom approximation for the binding-energy effect and the relativistic correction. Multiple ionization effects are also taken into account.

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