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Relative Intensities of L x-rays from Proton Bombardment of Selected Rare Earth Elements. SAM CIPOLLA, Physics Department, Creighton University, Omaha, NE 68178 — Multiple ionization effects are investigated for 75-300 keV proton bombardment of selected thick elemental rare earth targets. The relative intensities of x-rays emissions resulting from vacancy production in the L3 sub-shell are analyzed to deduce the presence of multiple ionization of the M- and N-shells.

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