

Abstract Submitted
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Radiative strength functions and spin measurements for $^{95,96}\text{Mo}$ from radiative neutron capture STEVEN SHEETS, North Carolina State University, U. AGVAANLUVSAN, Lawrence Livermore National Laboratory, M. KRTICKA, Charles University, G.E. MITCHELL, North Carolina State University, J.A. BECKER, Lawrence Livermore National Laboratory, J.L. ULLMANN, T.A. BREDEWEG, J.M. O'DONNELL, R. REIFARTH, R.S. RUNDBERG, DAVID VIEIRA, J.M. WOUTERS, Los Alamos National Laboratory — Statistical properties in $^{95,96}\text{Mo}$ have been measured using the multiplicity of γ -rays following neutron capture. Below the neutron separation energy an unusual enhancement in the radiative strength function (RSF) of Fe and Mo isotopes has been reported. We provide a new measurement of the RSF and compare our results with those obtained from two-step cascade measurements. An improved spin assignment for resonances in ^{96}Mo is given.

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