

PHOTODISINTEGRATION OF LITHIUM ISOTOPES*

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It is clear that new experimental data is needed to compare with recent Lorentz Integral Transform calculations of the photodisintegration cross sections of the lithium isotopes. We describe a recent measurement on these isotopes performed with the monochromatic, polarized photon beam at the High Intensity Gamma-Ray Source (HIGS) at Duke University in Durham, NC, USA. The Blowfish Neutron Detector Array, a segmented neutron detector array with good angular resolution that covers $\frac{1}{4}$ of 4π steradians, was used to detect photoneutrons. The continuing analysis of the data is discussed with some preliminary results.

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