

Publication

A new measurement of the neutron detection efficiency for the NaI Crystal Ball detector

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We report on a measurement of the neutron detection efficiency in NaI crystals in the Crystal Ball detector obtained from a study of single $\pi(0)$ photoproduction on deuterium using the tagged photon beam at the Mainz Microtron. The results were obtained up to a neutron energy of 400 MeV. They are compared to previous measurements made more than 15 years ago at the pion beam at the BNL AGS.

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