²H(⁸²Ge,p) **2007Th15**

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2007Th15, 2005Th03 (also 2008CiZZ,2007Jo09,2005Ci07,2005JoZZ,2005Th12,2004Th12): $E(^{82}Ge)=327$ MeV, produced through proton induced fission of UC_x target. Target was 430 $\mu g/cm^2$ CD₂. Measured Ep, $\sigma(\theta)$ using large-area silicon detector array, SIDAR, consisting of six MSL-type YY1 wedges, each with sixteen annular strips (FWHM \approx 300 keV). Protons measured in coincidence with beamlike recoils using an ionization chamber located downstream of the target. DWBA analysis. Measured reaction Q value=1470 20, uncertainty is statistical; systematic uncertainty=70 keV.

⁸³Ge Levels

Included in the comments are the asymptotic normalization coefficients (ANC) C_{lj}^2 which are given by $C_{lj}^2 = S_{lj}b_{lj}^2$ where b_{lj}^2 are model-dependent, single-particle ANCs.

[†] From comparison of differential cross sections with DWBA calculations.