^{3}H(γ,n),(γ,nn)

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. E. Purcell[#], C. G. Sheu[*]	NDS 130 1 (2015)	30-Jun-2015

The earliest reported studies of the ^{3}H photodisintegration cross section are (1965Bo43) and (1966Ko04). A summary of the experimental cross sections for the photodisintegration of ^{3}H up to 1981 is given in (1981Fa03). Fig. 10 in this reference gives the cross section for ^{3}H(γ,n)^{2}H from threshold (6.25 MeV) to about 28 MeV. The cross section has a peak value of about 0.9 mb at 12 MeV and falls slowly at higher energies. Fig. 11 in the same reference gives the cross section for ^{3}H(γ,2n)^{1}H from threshold (8.48 MeV) to about 28 MeV. It reaches a peak of about 0.9 m at about 15 MeV then falls slowly. The total cross section is shown in Fig. 13. A measurement of the total ^{3}H photodisintegration cross section for energies from 15 MeV to 36 MeV is reported in (1981Sk02).