^{236}U(γ,xn),(γ,F) E=resonance

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Shaofei Zhu	NDS 182, 2 (2022).	1-Apr-2022

^{236}U(e,F) E(e)=5.5-33 MeV; E2 giant isoscalar resonance found at 10.8 MeV *4* with FWHM 6 MeV, 72% *10* of energy-weighted sum rule (1980Ar13); E(e)=5-7 MeV; M1 component found at 5.8 MeV *2* with FWHM=1.3 MeV *2* (1986Ar02). Other: 1979Ar12 and 1982Ar14.

^{236}U(γ,n), (γ,2n), (γ,F) studied for Eγ=5-18.3 MeV. Deduced β_2=0.295, Q=10.3 *4* from giant dipole resonance parameters assuming nuclear radius R=1.15A$^{1/3}$ fm (1980Ca08).

T$_{1/2}$ ≈ 1 fs of Ex(^{236}U)= 6.7-11.5 MeV in ^{235}U(n,F) reaction using the shadow (blocking) effect in single crystals (1977Vo04).

^{236}U(γ,F) Eγ=3.5-7.0 MeV; measured $\sigma(\theta)$ of fission fragments for giant resonances and two-humped fission barrier (1977Zh01,1978Zh03,1978Zh04,1979Zh01).