^{169}Tm(γ,n) 1986Ts02

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 111, 1807 (2010)	15-Jun-2010

$J^\pi(^{169}Tm)=1/2^+$.

Eγ=8999 (monochromatic); Tm oxide target; measured E(n) (^{3}He-filled gridded ionization chamber, FWHM=14 (at thermal energy) to 23 (at 1 MeV)).

^{168}Tm Levels

E(level)	J^π	Comments
1 *2*		
17	(0^+)	J^π: 0^+ (expected from coupling of the ν 7/2[633] and π 7/2[404] orbitals) is consistent with population by $p_{1/2}$ and $p_{3/2}$ neutrons.
47		
64		
85		