^{170}Tm(n,γ) E=res   2006MuZX

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin, E. A. Mccutchan	NDS 151, 334 (2018)	30-Jun-2018

$J^{\pi}(^{170}$Tm)=1^{-}.

2006MuZX: evaluation of resonance energies and widths.

^{171}Tm Levels

All resonance data are taken from the evaluation by 2006MuZX.

E(level)[†]	L	E(lab) (eV)	Comments
S(n)+0.002823 15	0	2.840 15	$2g\Gamma_n$=0.25 meV 3; Γ_γ=130 meV 15.
S(n)+0.00935 3	0	9.41 3	$2g\Gamma_n$=0.83 meV 9; Γ_γ=130 meV 15.
S(n)+0.01228 2	0	12.35 2	$2g\Gamma_n$=13 meV 1; Γ_γ=110 meV 12.
S(n)+0.01740 5	0	17.50 5	$2g\Gamma_n$=11.0 meV 25; Γ_γ=210 meV 60.
S(n)+0.02026 5	0	20.38 5	$2g\Gamma_n$=0.68 meV 14; Γ_γ=120 meV 15.
S(n)+0.02127 10	0	21.4 1	$2g\Gamma_n$=3.7 meV 4; Γ_γ=(120 meV).
S(n)+0.02525 10	0	25.4 1	$2g\Gamma_n$=1.4 meV 3; Γ_γ=(120 meV).
S(n)+0.0451 2	0	45.4 2	$2g\Gamma_n$=32 meV 7; Γ_γ=(120 meV).
S(n)+0.0569 2	0	57.2 2	$2g\Gamma_n$=18.0 meV 23; Γ_γ=(120 meV).
S(n)+0.0705 3	0	70.9 3	$2g\Gamma_n$=6.3 meV 6; Γ_γ=(120 meV).
S(n)+0.0784 3	0	78.9 3	$2g\Gamma_n$=48 meV 4; Γ_γ=(120 meV).
S(n)+0.0848 4	0	85.3 4	$2g\Gamma_n$=56 meV 6; Γ_γ=(120 meV).
S(n)+0.0891 4	0	89.6 4	$2g\Gamma_n$=12.5 meV 19; Γ_γ=(120 meV).

[†] Given here as S(n)+E(n)(c.m.), where S(n)(^{171}Tm)=7485.8 13 (2017Wa10) and E(n)(c.m.)=E(n)(lab)(170/171).