Adopted Levels

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia	NDS 114,1189 (2013)	1-Apr-2013

Q(β^-)=2163×10[1] *22*; S(n)=−220 *50*; S(p)=18820 *syst*; Q(α)=−16440 *syst* 2012Wa38
ΔS(p)=540 (syst), ΔQ(α)=450(syst) 2012Wa38.

^{28}F Levels

Cross Reference (XREF) Flags

A ^{9}Be(^{29}Ne,N27F)

E(level)	$T_{1/2}$	XREF	Comments
0.0	≈0.046 as	A	%n=100 E(level): From 220 keV *50* resonance energy. g.s. of ^{28}F is neutron unbound. A resonance in the ^{27}F+n continuum at 220 keV *50*, Γ_0=10 keV, is determined in 2012Ch02 (^{29}Ne,n^{27}F). This resonance energy is referred to be the g.s. of ^{28}F in 2012Ch02 and in good agreement with shell model predictions. $T_{1/2}$: Deduced by the evaluator from Γ_0=10 keV. Other: <40 ns − from a private communication − quoted in 2012Au07.
590 *50*	≈0.0046 as	A	E(level): From 810 keV resonance energy. E(level): This upper resonance energy at 810 keV, Γ_0=100 keV, is also deduced in the ^{27}F+n continuum (^{29}Ne,n^{27}F). It is speculated in 2012Ch02 that contributions from other unresolved resonances may be present, since stronger population of this excited resonance state was not expected. $T_{1/2}$: Deduced by the evaluator from Γ_0=100 keV (2012Ch02).