Adopted Levels

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia	NDS 127, 69(2015)	1-Apr-2015

Q(β^-)=−15137 *SY*; S(n)=16860 *SY*; S(p)=1.0 *SY*; Q(α)=−9260 *SY* 2012Wa38
ΔQ(β^-)=643(syst), ΔS(n)=566(syst), ΔS(p)=401(syst), ΔQ(α)=416(syst) 2012Wa38.

^{22}Al Levels

Cross Reference (XREF) Flags

A ^{22}Si ε decay

E(level)	J^π	$T_{1/2}$	XREF	Comments
0.0	$(4)^+$	91.1 ms *5*	A	%ε+%β^+=100; %β^+p=55 *3*; %β^+2p=1.1 *1*; %$\beta^+\alpha$=0.038 *17* (2006Ac04) $T_{1/2}$: From 2006Ac04 based on three different analyses procedures. The most reliable value is from decay time spectra in coin with delayed protons. Other values: 59 ms *3* (1997Bl03 – probably suffered from shorter beam off cycle of only 100 ms – noted in 2006Ac04); 70 ms *+50−35* (1982Ca16). J^π: Spin assignment based on T=2 isospin multiplet (1982Ca16) and from comparison of measured γ-ray intensity, summed Gamow-Teller strength and delayed proton branching ratio with calculations (2006Ac04). %β^+p and %β+2p values are deduced by evaluator from data in Table 1 (2006Ac04). In Fig. 9 an uncertainty of ≈7 for summed %β^+p is shown. Other values: %β^+p≈60; %β+2p=0.9 *5*; %$\beta^+\alpha$=0.31 *9* (1997Bl03).
1850	1^+		A	%p=? J^π: log *ft*<4.3 from 0^+.
2210	1^+		A	%p=? J^π: log *ft*<4.8 from 0^+.