Adopted Levels

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	ENSDF	1-Mar-2009

Q(β^-)=−1.10×10^4 *syst*; S(n)=1.10×10^4 *syst*; S(p)=2.85×10^3 *syst*; Q(α)=2.16×10^3 *20* 2012Wa38
Note: Current evaluation has used the following Q record −10776.0 SY10755.0 SY2509.0 SY2491.0 syst 2009AuZZ.
ΔQ(β^-)=501, ΔS(n)=501, ΔS(p)=317, ΔQ(α)=300 (2009AuZZ).
From 290-MeV ^{58}Ni on ^{58}Ni or ^{63}Cu, ms (1985Ti02,1982Ti05).
Measurements: coincidences between β delayed p and γ-rays.
From 190-MeV ^{32}s on ^{92}Mo, ms (1978Bo20,1977Bo02) Q(ε)-s(p)(^{117}Cs)=7.9 MeV *3*.
The intensity ratio limits of the β delayed p and α have been established: βp/$\beta\alpha$ is between 350 and 1200 (1985Ti02).
β-strength function: see 1985Ti02, 1982Ti05, 1978Bo20, 1976Iv02.

^{117}Ba Levels

E(level)	J$^\pi$	T$_{1/2}$	Comments
0.0	(3/2)	1.75 s *7*	%ε+%β^+=100; %β^+p>0; %$\beta^+\alpha$>0 T$_{1/2}$: from 1985Ti02. Other: 1.9 s *2* (1977Bo02). J$^\pi$: suggested from the coincidences between delayed-p and γ (1985Ti02) and from the shape analysis of the delayed-proton spectrum (1978Bo20).