Adopted Levels

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	ENSDF	31-Dec-2016

S(n)=13720 *CA*; S(p)=−1188 *7*; Q(α)=4020 *SY*   2012Wa38,1997Mo25

S(n) from theory (1997Mo25). S(p) and Q(α) from 2012Wa38.

S(2n)=26010 (theory,1997Mo25). S(2p)=170 *500*, Q(εp)=9810 *500* (syst,2012Wa38).

2004Wo07 (also 2005Se21): ^{92}Mo(^{50}Cr,p6n), E=310 MeV, measured proton energy and T$_{1/2}$ following separation by FMA,
    production cross section ≈3 nb.

Additional information 1.

^{135}Tb Levels

E(level)	J$^\pi$	T$_{1/2}$	Comments
0.0	(7/2$^-$)	0.94 ms +*33*−*22*	%p≈100; %ε+%β^+=?
			%p: theoretical T$_{1/2}(\beta^-)$=193.2 ms (1997Mo25) suggests %β^++ε≈0.5%.
			E(level): The 0.94-ms state is assumed as the ground state. According to 1997Mo25 and 1999La10, the odd proton is also predicted to have 3/2[411] configuration, thus it is possible that 0.94-ms state lies above the 3/2[411] state.
			J$^\pi$: comparison of calculated proton decay rates for 3/2[411], 5/2[413] and 7/2[523] orbitals with the experimental T$_{1/2}$ gives best agreement for 7/2[523] configuration and β_2≈+0.33 (highly prolate deformed shape) (2004Wo07).
			T$_{1/2}$: from decay curve for protons (2004Wo07).