Adopted Levels

| | | History | |
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 146, 1 (2017)	30-Sep-2017

$Q(\beta^-)=-8740$ *SY*; S(n)=10770 *SY*; S(p)=−260 *SY*; $Q(\alpha)$=3840 *SY*   2017Wa10
$\Delta Q(\beta^-)$=590, ΔS(n)=500, ΔS(p)=$\Delta Q(\alpha)$=420 (syst,2017Wa10).
S(2n)=23680 *580*, S(2p)=2000 *360*, $Q(\varepsilon p)$=9190 *300*, $Q(\beta^+)$=12130 *360* (syst,2017Wa10).
First identification of ^{138}Tb nuclide by 2000So11 via ^{90}Zr(^{197}Au,X).
2000So11: ^{90}Zr(^{197}Au,X), E=30 MeV/nucleon. Identification using A1200 mass separator at Michigan State University.
1993Li40: ^{102}Pd(^{40}Ca,p3n), E=185-204 MeV, proton radioactivity was searched for but not found.
1983La27: ^{92}Mo(^{58}Ni,X), E=5 MeV/nucleon. Measured Ep, Ip, β^+p-coin. Deduced no evidence for direct proton decay.
Theoretical calculations:
2014Ag01: calculated position of proton drip line, S(p), β and γ deformation parameters.

^{138}Tb Levels

E(level)	$T_{1/2}$	Comments
x	≥200 ns	$\%\varepsilon+\%\beta^+$=100
		$T_{1/2}$: estimated from the flight time through the spectrograph (2000So11).
		No evidence for direct proton radioactivity was observed (1993Li40 and 1983La27).