

Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 108,2173 (2007)	1-Oct-2006

$Q(\beta^-)=9.3\times 10^3$ 3; $S(n)=3.6\times 10^3$ 3; $S(p)=1.14\times 10^4$ syst; $Q(\alpha)=-5.0\times 10^3$ syst [2012Wa38](#)

Note: Current evaluation has used the following Q record 9300 SY3450 syst [2003Au03](#).

$\Delta Q(\beta^-)=420, \Delta S(n)=500$ (syst,[2003Au03](#)).

$Q(\beta^-n)=6100$ 400 (syst,[2003Au03](#)).

[2002Sh08](#): spallation of U with 1 GeV p. Observed ^{137}Sn decay.

[1998Do08](#), [1994Do08](#): ^{238}U on Pb, 750 MeV/A. Fission products analyzed for A and Z with fragment separator. Determined production cross section.

Activity, $T_{1/2}=2.0$ s 6, seen as a ^{235}U fission product. Assignment to ^{137}Sb by [1976OtZW](#), is not confirmed.

 ^{137}Sb Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	(7/2 ⁺)	450 ms 50	$\% \beta^- = 100$; $\% \beta^- n = 49$ 10 (2002Sh08) t, β^-n : extrapolated values based on properties of ^{133}Sb and ^{135}Sb (2002Sh08). J^π : from sys (2003Au02).