Adopted Levels

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	T. D. Johnson, D. Symochko(a), M. Fadil(b), and J. K. Tuli	NDS 112,1949 (2011)	1-Jun-2010

$Q(\beta^-)=1.05\times10^4$ *4*; $S(n)=2.9\times10^3$ *syst*; $S(p)=1.16\times10^4$ *syst*; $Q(\alpha)=-2.7\times10^3$ *syst* 2012Wa38

Note: Current evaluation has used the following Q record 1.02E+4 SY2.8E+3 SY1.14E+4 syst−2.6×10^3 syst 2011AuZZ.

The uncertainties to be associated with these estimated Q values are as follows: $\Delta Q(\beta^-)=4$, $\Delta S(n)=4$, $\Delta S(p)=6$, $\Delta Q(\alpha)=5$; $Q(\beta^-n)=5.1\times10^3$ *4* (systematics) 2011AuZZ.

Values in 2003Au03: $Q(\beta^-)=9.8\times10^3$ *4* (systematics) $S(n)=3.3\times10^3$ *4* (systematics), $S(p)=1.15\times10^4$ *6* $Q(\alpha)=-3.0$ *3* (systematics), $Q(\beta^-n)=4.5\times10^3$ *4* (systematics).

Produced and identified in 1975Kr17: $^{235}U(n,f)$, E=thermal, rapid chemical separation; observed growth of rare gas daughter.

^{142}I Levels

E(level)	$T_{1/2}$	Comments
0.0	222 ms *12*	$\%\beta^-=100$ $\%\beta^-n=?$ $T_{1/2}$: from 2006KeZZ. From systematics of neighboring nuclides 2003Au02 suggest $J^\pi=2^-$.