Adopted Levels

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 109,2657 (2008)	1-Jun-2008

$Q(\beta^-)=-2.57\times10^3$ 9; $S(n)=6083$ 16; $S(p)=5003$ 8; $Q(\alpha)=6475$ 3 2012Wa38
Note: Current evaluation has used the following Q record $ -2570$ 90 6085 16 5003 7 6475 3 2003Au03.
Assignment: $^{232}\text{Th}(\alpha,7n)$; parent ^{229}Pa chem; parent ^{225}Ac chem (1951Me10).

^{229}U Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	$(3/2^+)$	58 min 3	$\%\alpha\approx20$; $\%\varepsilon\approx80$
			$\varepsilon K/\alpha\approx5$; value deduced by 1951Me10 from the ratio of the α activity of ^{231}Pa (added tracer) to that of ^{229}Pa (chemically separated from uranium parent). The ratio $\varepsilon K/\alpha$ of ^{229}Pa was assumed to be 100.
			$T_{1/2}$: measured by 1951Me10.
			J^π: favored α transition to ^{225}Th g.s.
15 15			$Q(\alpha)(^{233}\text{Pu})=6420$ 50 suggests that the observed 6300-keV α from ^{233}Pu feeds either the g.s. or a low-lying level in ^{229}U with E≤30 keV.