Adopted Levels:not observed

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Ninel Nica, Balraj Singh	NDS 113,1563 (2012)	28-May-2012

Q(β^-)=−1.51×10^4 *syst*; S(n)=1.63×10^4 *syst*; S(p)=−9.×10^2 *syst*; Q(α)=−8.1×10^3 *syst*   2012Wa38

Note: Current evaluation has used the following Q record −15072   syst 16334 syst −857   syst −8088 syst   2011AuZZ.

ΔQ(β^-)=422, ΔS(n)=357, ΔS(p)=298, ΔQ(α)=357 (2011AuZZ).

Q(εp)=12494 *298*, S(2n)=38461 *585*, S(2p)=2463 *298* (syst,2011AuZZ).

Values in 2003Au03 (from syst): Q(β^-)=−14630 *420*, S(n)=16320 *360*, S(p)=−610 *300*, Q(α)=−8350 *360*, Q(εp)=12230 *300*,
     S(2n)=38040 *590*, S(2p)=2730 *300*.

1996PoZZ: re-analysis of upper limits for T$_{1/2}$ obtained at LISE (GANIL). Unstable to proton emission. No evidence was found
     for the existence of ^{34}K.

Structure calculations: 1998Co30, 1997Co19.

Additional information 1.

^{34}K Levels

E(level)	T$_{1/2}$	Comments
0?	<25 ns	%p=? T$_{1/2}$: upper limit estimated from expected cross sections (1996PoZZ). J$^\pi$: 1$^+$ proposed by 2003Au02 (also 2011AuZY) from systematics.