Adopted Levels

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni	NDS 111,1 (2010)	1-May-2009

Q(β^-)=1.44×10^4 *syst*; S(n)=3.5×10^3 *syst*; S(p)=1.61×10^4 *syst*; Q(α)=−1.39×10^4 *syst* 2012Wa38
Note: Current evaluation has used the following Q record 1.49E+4 6 *3498* SY15589 syst-13128 syst 2009AuZZ.
Q(β^-)=14930 *600* from mass excess measurements of 2007Ra27 and values in 2009AuZZ, Q(β^-)=1.46×10^4 syst 7 in 2009AuZZ.
ΔS(n)=1030, ΔS(p)=1000, ΔQ(α)=840, Q(β^-n)=7.8×10^3 syst 7 (2009AuZZ).
^{72}Co has been observed in the fragmentation of ^{86}Kr (2005Ma59, 2005Ma95, 2003Sa40, 1998Am04).

^{72}Co Levels

E(level)	J$^\pi$	T$_{1/2}$	Comments
0.0	[6$^-$,7$^-$]	59.9 ms *17*	%β^-=100; %β^-n≥6 T$_{1/2}$: weighted average of 59 ms *2* (β(t), 2005Ma59) and 62 ms *3* (γ(t), 2003Sa40). Other: 90 ms *20* (β(t), 1998Am04). J$^\pi$: from shell model calculations (2003Sa40). Preliminary value of %β^-n≥6 *2* (2005Ma95).