

Adopted Levels

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

$Q(\beta^-)=1.17\times 10^4$ syst; $S(n)=5.2\times 10^3$ syst; $S(p)=2.02\times 10^4$ syst; $Q(\alpha)=-1.57\times 10^4$ syst [2012Wa38](#)

Note: Current evaluation has used the following Q record 11001.0 SY5370.0 syst [2009AuZZ](#).

$\Delta Q(\beta^-)=999$, $\Delta S(n)=1133$, $Q(\beta^-n)=7.5\times 10^3$ syst 12 ([2009AuZZ](#)).

[1997Be70](#): Observed ^{72}Fe using the $\text{Be}(^{238}\text{U},f)$ reaction at 750 MeV/nucleon.

 ^{72}Fe Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	0^+	≥ 150 ns	$\% \beta^- = 100$; $\% \beta^- n = 27.6$ syst (2002Pf04) $T_{1/2}$: assumed to be approximately equal to or larger than the flight time through the fragment separator. $\% \beta^- n$ calculated using the Kratz-Herrmann formula (2002Pf04).