

Adopted Levels

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. A. McCutchan and A. A. Sonzogni		NDS 115, 135 (2014)	1-Nov-2013

$Q(\beta^-)=13164$ SY; $S(n)=3173$ SY; $S(p)=13931$ SY; $Q(\alpha)=-8862$ SY [2012Wa38](#)

$\Delta Q(\beta^-)=196$; $\Delta S(n)=196$; $\Delta S(p)=446$; $\Delta Q(\alpha)=446$.

$S(2n)=7900$ syst 196; $S(2p)=30842$ syst 725; $Q(\beta^-n)=7635$ syst 196 ([2012Wa38](#)).

[2012Qu01](#): ^{88}As from fragmentation of ^{136}Xe at 120MeV/nucleon and separation by the A1900 fragment separator. Identification by energy loss and time-of-flight. Measured $T_{1/2}$ using NSCL Beta Counting System consisting of four silicon PIN detectors, a DSSD and a SSSD.

[1994Be24,1997Be70](#): observation of ^{88}As following the fission of ^{238}U at 750 MeV/nucleon; fragments were identified by charge and time of flight using the FRS.

 ^{88}As Levels

E(level)	$T_{1/2}$	Comments
0.0	0.20 s +20-9	<p>$\% \beta^- = 100$; $\% \beta^- n = ?$</p> <p>E(level): assuming that the observed events correspond to the ground state.</p> <p>$T_{1/2}$: from β decays correlated with implantation events (2012Qu01). Value given by 2012Qu01 is 200 ms 5 (syst) +200-90 (stat) obtained by analysis using maximum likelihood method applied to 16 implantations and 8 correlated decay sequences.</p> <p>$\% \beta^- n$: this level is expected to undergo beta delayed neutron emission, some estimates of $\% \beta^- n$ include 38% (systematics, 2012Mc04) and 32% (QRPA theory, 2003Mo09).</p>