

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

$Q(\beta^-)=10582$ SY; $S(n)=4131$ SY; $S(p)=17847$ SY; $Q(\alpha)=-10153$ SY [2012Wa38](#)

$\Delta Q(\beta^-)=540$; $\Delta S(n)=643$; $\Delta S(p)=945$; $\Delta Q(\alpha)=783$ ([2012Wa38](#)).

$S(2n)=6520$ syst 585; $Q(\beta^-n)=7409$ syst 503 ([2012Wa38](#)).

The only information on ^{88}Ge is its observation following the fission of ^{238}U at 750 MeV/nucleon on Be targets ([1997Be70](#)); fragments were identified by charge and time of flight using the Fragment Separator (FRS).

Other: [2011Ad09](#),[2010Ad05](#): calculation of the production cross section for ^{88}Ge in the $^{244}\text{Pu}(^{48}\text{Ca},X)$ reaction.

 ^{88}Ge Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	0^+	>300 ns	$\% \beta^- = ?$; $\% \beta^- n = ?$ E(level), J^π : assuming that the observed events correspond to the ground state. $T_{1/2}$: assuming that $T_{1/2}$ has to be of the same order or larger than the time of flight through the separator, which for this experiment was ≈ 300 ns. $T_{1/2}$ is expected to be much larger, some estimates of the half-life are 66 ms (systematics, 2002Pf04) and 162 ms (QRPA theory, 2003Mo09). $\% \beta^- n$: this level is expected to undergo beta delayed neutron emission, some estimates of $\% \beta^- n$ include 17% (systematics, 2002Pf04) and 49% (QRPA theory, 2003Mo09).