

^{61}Ge εp decay 2007B109

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli		NDS 114, 1849 (2013)	31-Dec-2012

Parent: ^{61}Ge : $E=0$; $T_{1/2}=44$ ms 6; $Q(\varepsilon\text{p})=13160$ SY; $\% \varepsilon\text{p}$ decay=62 4

^{61}Ge - $T_{1/2}$: recommended by 2007B109, based on their measured value of 45 ms 6 and 40 ms 15 of 1987Ho01.

^{61}Ge - $Q(\varepsilon\text{p})$: 13160 300 (syst,2012Wa38).

^{61}Ge - $\% \varepsilon\text{p}$ decay: $\% \varepsilon\text{p}>62$ 4 (2007B109).

^{61}Ge nuclei produced in a fragmentation of $^{70}\text{Ge}^{+28}$ beam at an energy of 71.6 MeV using LISE3 facility at GANIL. A nickel target was used. Measured delayed proton events by implanting nuclei in a double-sided silicon strip detector (DSSSD) and isotopic $T_{1/2}$.

 ^{60}Zn Levels

E(level)	J^π
0	0^+

Delayed Protons (^{60}Zn)

E(p)	E(^{60}Zn)	I(p) [†]	E(^{61}Ga)	Comments
3170 30	0	89 10	3250	E(p): Weighted averaged value given by 2007B109 using their measured value and that

[†] For absolute intensity per 100 decays, multiply by 0.62 4.

 ^{61}Ge εp decay 2007B109Decay Scheme

I(p) Intensities: Relative I(p)

