
 ^{88}As β^- 2n decay (189.1 ms) [2020ToZY](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	A. Negret and B. Singh		NDS 203,283 (2025)	20-Jan-2025

Parent: ^{88}As : $E=0$; $J^\pi=0^+$; $T_{1/2}=189.1$ ms 25; $Q(\beta^-2n)=3910$ *syst*; $\% \beta^-2n$ decay=0.48 17

^{88}As - $T_{1/2}$: from [2020ToZY](#) (β -decay curve). Other: 0.20 s +20-9 ([2012Qu01](#), β -decay curve).

^{88}As - $Q(\beta^-2n)$: 3910 200 (*syst*, deduced by evaluators from relevant mass excesses in [2021Wa16](#)).

^{88}As - $\% \beta^-2n$ decay: $\% \beta^-2n=0.48$ 17 for the decay of ^{88}As ([2020ToZY](#), simultaneous fit of β^- - and β^-2n -decay curves).

[2020ToZY](#): ^{88}As produced in $^9\text{Be}(^{238}\text{U},F)$, $E=345$ MeV/nucleon; followed by separation and identification of fragments by A/Q and Z using BigRIPS and ZeroDegree spectrometers at RIBF-RIKEN facility through measurements of time-of-flight (TOF), magnetic rigidity ($B\rho$) and energy loss (ΔE). Measured implanted ions, neutrons, β , γ , $\beta(\text{implants})$, $(\text{implants})\beta(1n)$ - and $(\text{implants})\beta(2n)$ -correlations using BRIKEN neutron counter with 140 ^3He -filled proportional counters, AIDA array of DSSSDs for implants and β decays, two Clover HPGe detectors for γ radiation, and two thick plastic scintillators; deduced $\% \beta^-n$ or P_n from simultaneous fits of β^- - and β^-1n -decay curves, with uncertainties from Monte Carlo method.

Decay scheme is not known.