

$^9\text{Be}(^{238}\text{U}, \text{F}\gamma)$ **2012Ka36**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, E. A. Mccutchan		NDS 165, 1 (2020)	1-Mar-2020

2012Ka36: ^{238}U beam at $E=345$ MeV/nucleon provided by the RIBF accelerator complex at RIKEN facility. Fission fragments separated and analyzed by BigRIPS separator, transported to focal plane of Zero Degree spectrometer and implanted in an aluminum stopper. Particle identification based on ΔE -TOF-B ρ method. Measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $\gamma(t)$ using three Clover HPGe detectors.

 ^{90}As Levels

E(level)	$T_{1/2}$	Comments
0.0+x		
124.5+x 5	0.20 μs +12-9	Number of implanted fragments= 1.1×10^4 . $T_{1/2}$: from 124.5 $\gamma(t)$ using maximum likelihood method assuming exponential decay component(s) plus a constant background (2012Ka36).

 $\gamma(^{90}\text{As})$

E_γ	$E_i(\text{level})$	E_f
124.5 5	124.5+x	0.0+x

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