

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

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Alexandru Negret, Balraj Singh		NDS 114, 841 (2013)	30-Jun-2013

2012Ka36: ^{238}U beam at $E=345$ MeV/nucleon provided by the RIBF accelerator complex at RIKEN facility. Fission fragments were separated and analyzed by BigRIPS separator, transported to focal plane of ZeroDegree spectrometer and implanted in an aluminum stopper. Particle identification was achieved by ΔE -tof- $B\rho$ method. 5.4×10^5 ^{75}Cu fragments were implanted. Delayed gamma rays from microsecond isomers were detected by three clover-type HPGe detectors. Measured E_γ , I_γ , $\gamma\gamma$ -coin, isomer half-life. Deduced levels. Comparison with previous studies.

The authors of **2012Ka36** use the level scheme from **2010Da06**. However, we use here the level scheme adopted from **2013Pe03**.

 ^{75}Cu Levels

E(level)	J^π	$T_{1/2}$	Comments
0	$5/2^{(-)}$		J^π : from Adopted Levels.
62.5 5			
66.8 5		134 ns +25-20	$T_{1/2}$: from $\gamma(t)$ method (2012Ka36).

 $\gamma(^{75}\text{Cu})$

E_γ	I_γ	$E_i(\text{level})$	E_f	J_f^π
62.5 5	100 14	62.5	0	$5/2^{(-)}$
66.8 5	55 9	66.8	0	$5/2^{(-)}$

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Legend

- $I_\gamma < 2\% \times I_\gamma^{\text{max}}$
- $I_\gamma < 10\% \times I_\gamma^{\text{max}}$
- $I_\gamma > 10\% \times I_\gamma^{\text{max}}$

