

$^9\text{Be}(^{238}\text{U},\text{F}\gamma)$ 2019Zh49

Type	History		Literature Cutoff Date
	Author	Citation	
Full Evaluation	E. A. Mccutchan	ENSDF	2-Jun-2021

2019Zh49: E=345 MeV/nucleon ^{238}U beam produced at Radioactive Isotope Beam Factory (RIBF), RIKEN. Fission fragments separated using the in-flight separator BigRIPS and identified using ΔE -tof-B ρ method. Fragments implanted into WAS3ABi consisting of two double-sided Si-strip detectors. Measured $E\gamma$, $I\gamma$, $\gamma(t)$ using the EURICA γ -ray spectrometer, consisting of 12 Cluster-type detectors.

 ^{169}Dy Levels

E(level) [†]	J^π [‡]	$T_{1/2}$	Comments
0	(5/2 ⁻)		
166.1 3	(1/2 ⁻)	1.26 μs 17	%IT=100 $T_{1/2}$: from 166.1 $\gamma(t)$ (2019Zh49).

[†] From $E\gamma$.

[‡] As proposed by 2019Zh49 based on systematics.

 $\gamma(^{169}\text{Dy})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Comments
166.1 3	166.1	(1/2 ⁻)	0	(5/2 ⁻)	E_γ : no uncertainty is given in 2019Zh49; evaluator assigns uncertainty based on uncertainties given to ^{168}Dy γ transitions, also studied in 2019Zh49.

 $^9\text{Be}(^{238}\text{U},\text{F}\gamma)$ 2019Zh49Level Scheme