$^{238}U(n,2n\gamma)$ **2004Fo01**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia	NDS 107, 2323 (2006)	15-Mar-2006

Target: 99.798% enriched ^{238}U. Projectile: Neutrons with energies 1 MeV<E_n<100 MeV from Los Alamos Neutron Science Center/Weapon Neutron Research facility. Detector: GEANIE array of 11 Compton suppressed planar Ge detectors, 9 Compton suppressed coaxial Ge detectors, and 6 unsuppressed coaxial Ge detectors. Measured: $E\gamma$.
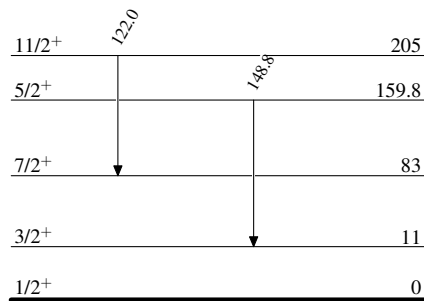
^{237}U Levels

E(level)	$J^{\pi\dagger}$
0	$1/2^+$
11 *4*	$3/2^+$
83	$7/2^+$
159.8	$5/2^+$
205	$11/2^+$

† From Adopted Levels.

$\gamma(^{237}U)$

E_γ	E_i(level)	J_i^π	E_f	J_f^π
122.0	205	$11/2^+$	83	$7/2^+$
148.8	159.8	$5/2^+$	11	$3/2^+$

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Level Scheme

$^{237}_{92}U_{145}$