

$^{86}\text{Kr}(\text{Ni},\text{X}\gamma)$ **1998Gr14**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli		NDS 111, 1093 (2010)	3-Mar-2009

Activity produced by ^{86}Kr projectiles on a target of natural Ni, E=542 MeV. GANIL Laboratory. Measured γ rays, $\gamma\gamma$ coin, γ -particle coin. Detectors: Ge Hyperpure, Si planar detectors.

 ^{66}Co Levels

E(level)	J^π [†]	T _{1/2}	Comments
0.0	(3 ⁺)	0.20 s 2	
175	(5 ⁺)	1.21 μs I	T _{1/2} : From Adopted Levels.
390			
642	(8 ⁻)	>100 μs	J^π : Expected $\pi f7/2vg9/2$ quasiparticle configuration. T _{1/2} : From $\gamma\gamma$ coin, γ -particle coin.

[†] From Adopted Levels.

 $\gamma(^{66}\text{Co})$

E _{γ}	E _i (level)	J_i^π	E _f	J_f^π	Mult.	Comments
175	175	(5 ⁺)	0.0	(3 ⁺)	E2	Mult.: From comparison of measured T _{1/2} =1.21 μs with Weisskopf estimate of $\approx 2 \mu\text{s}$.
214	390		175	(5 ⁺)		
252	642	(8 ⁻)	390			

 $^{86}\text{Kr}(\text{Ni},\text{X}\gamma)$ **1998Gr14**Level Scheme