

Coulomb excitation 2004Yu10

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Huo Junde, Huo Su, Yang Dong		NDS 112, 1513 (2011)	29-Oct-2009

$^{197}\text{Au}(^{56}\text{Ni}, ^{56}\text{Ni}'\gamma)$ at $E(^{56}\text{Ni})=85.8$ MeV/nucleon.

primary beam of ^{58}Ni at 140 MeV/nucleon and ^9Be target.

Measured $E\gamma$, γ (scattered ^{56}Ni) coin, cross section with SeGA array of 18 32-fold segmented HPGe detectors and a 1900 fragment separator.

 ^{56}Ni Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	0^+		
2700 15	2^+	41 fs 10	$B(E2)\uparrow=0.049$ 12 $T_{1/2}$: from $B(E2)$.

 $\gamma(^{56}\text{Ni})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
2695 15	2700	2^+	0.0	0^+

Coulomb excitation 2004Yu10Level Scheme