

Coulomb excitation 2005Yu07

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Janos Timar and Zoltan Elekes, Balraj Singh		NDS 121, 143 (2014)	31-May-2014

2005Yu07: HRIBF facility at ORNL provided 400 MeV ^{129}Te radioactive beam which hit ^{50}Ti target. The γ rays were detected by an array of 10 Ge detectors. Recoils were detected by an array of CsI detectors.

 ^{129}Te Levels

E(level)	J^π^\dagger	$T_{1/2}^\dagger$
0	$3/2^+$	
106	$11/2^-$	33.6 d
180	$1/2^+$	
465	$9/2^{(-)}$	
544	$5/2^+$	
634	$5/2^+$	
760	$7/2^-$	
813	$7/2^+$	
867	$(15/2^-)$	
876	$3/2^+$	

† From Adopted Levels.

 $\gamma(^{129}\text{Te})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
180	180	$1/2^+$	0	$3/2^+$
267	813	$7/2^+$	544	$5/2^+$
295	760	$7/2^-$	465	$9/2^{(-)}$
359	465	$9/2^{(-)}$	106	$11/2^-$
544	544	$5/2^+$	0	$3/2^+$
634	634	$5/2^+$	0	$3/2^+$
654	760	$7/2^-$	106	$11/2^-$
761	867	$(15/2^-)$	106	$11/2^-$
813	813	$7/2^+$	0	$3/2^+$
876	876	$3/2^+$	0	$3/2^+$

Coulomb excitation 2005Yu07Level Scheme