

Coulomb excitation 2005Bb09,2007Va22

Type	Author	History	
		Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	ENSDF	1-Jul-2008

2005BB09:

Beam= ^{108}Sn , target= ^{197}Au . Intermediate-energy Coulomb excitation.

Beam= ^{108}Sn from fragmentation of ^{124}Xe beam at 700 MeV/nucleon with ^9Be target. $E(^{108}\text{Sn})=142$ MeV/nucleon.

Target= ^{197}Au . Measured γ rays in coincidence with projectiles using 15 RISING Ge-Cluster detectors. The particles were detected by CATE array of Si-CsI(Tl) modular ΔE -E telescopes. GSI facility.

2007VA22: Beam= ^{124}Sn with ^9Be target, 140 MeV/nucleon. National Superconducting Cyclotron Laboratory (NSCL), mass separation with the A1900 fragment separator.

 ^{108}Sn Levels

E(level)	J^π	$T_{1/2}$	Comments
0	0^+		
1206.1 1	2^+	0.48 ps 12	B(E2) $\uparrow=0.23$ 3 (2005Bb09,2007Va22) T _{1/2} : from B(E2), same value in the 2 references).

 $\gamma(^{108}\text{Sn})$

E_γ	E _i (level)	J_i^π	E _f	J_f^π
1206.1 1	1206.1	2^+	0	0^+

Coulomb excitation 2005Bb09,2007Va22Level Scheme