

Coulomb excitation 2002Co09

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia, A. Chakraborty		NDS 197,1 (2024)	31-May-2024

Primary beam of ^{36}Ar , $E=100$ MeV/nucleon, fragmented on ^9Be primary target, the settings of the A1200 separator at NSCL allowed ^{30}S fragments in the secondary beam along with the main fragments of ^{32}Ar isotopes; Coulomb excitation was done on secondary target of gold, deduced BE2 \uparrow .

 ^{30}S Levels

E(level) [†]	J π [†]	T _{1/2}	Comments
0	0 ⁺		
2210.15 20	2 ⁺	153 fs 13	B(E2) $\uparrow=0.035$ 3 T _{1/2} : deduced by the evaluators from BE2 $\uparrow=0.035$ 3 and adopted γ -ray branching.

[†] From Adopted Levels.

 $\gamma(^{30}\text{S})$

E γ [†]	I γ	E _i (level)	J π _i	E _f	J π _f	Mult.
2210.1 2	100	2210.15	2 ⁺	0	0 ⁺	E2

[†] From Adopted gammas.

Coulomb excitation 2002Co09Level Scheme

Intensities: Relative I γ

