

Coulomb excitation 1998Ib01

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Ninel Nica, Balraj Singh		NDS 113, 1563 (2012)	28-May-2012

1998Ib01: $^{197}\text{Au}(^{34}\text{Si}, ^{34}\text{Si}') E=42.2$ MeV/nucleon. The ^{34}Si beam obtained from $^9\text{Be}(^{40}\text{Ar}, X) E=80$ MeV/nucleon and $^9\text{Be}(^{48}\text{Ca}, X) E=70$ MeV/nucleon. Measured E_γ , (scattered particles)(γ) coin, integrated cross section, deduced $B(E2)$. The γ rays were detected by an array of 39 cylindrical NaI(Tl) detectors.

 ^{34}Si Levels

E(level)	J^π	Comments
0	0^+	
3305 55	2^+	$B(E2)\uparrow=0.0085$ 33 (1998Ib01) J^π : from Adopted Levels. $\sigma=19$ mb 7.

 $\gamma(^{34}\text{Si})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
3305 55	3305	2^+	0	0^+

Coulomb excitation 1998Ib01Level Scheme