

${}^{197}\text{Au}({}^{11}\text{Be}, {}^{11}\text{Be}')$ 1997Fa11

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu		NP A880, 88 (2012)	1-Jan-2011

1997Fa11: ${}^{197}\text{Au}, {}^{208}\text{Pb}({}^{11}\text{Be}, {}^{11}\text{Be}')$, E=57-60 MeV/nucleon; measured E_γ , I_γ , $\gamma({}^{11}\text{Be})$ -coin following projectile Coulomb excitation. ${}^{11}\text{Be}$ deduced level B(E1), nuclear contributions to excitation σ .

1998Bu11: ${}^{197}\text{Au}({}^{11}\text{Be}, \text{N}^{10}\text{Be}), ({}^{11}\text{Be}, {}^{11}\text{Be})$, E=41.7 MeV/nucleon; measured fragment $\sigma(E, \theta)$, (fragment) γ -coin. Deduced No reacceleration effect.

2002Sh43: ${}^{197}\text{Au}({}^{11}\text{Be}, {}^{11}\text{Be}')$, E=121 MeV/nucleon; measured E_γ , I_γ following projectile Coulomb excitation. ${}^{11}\text{Be}$ deduced transition.

 ${}^{11}\text{Be}$ LevelsE(level)

0
 0.32×10^3

 $\gamma({}^{11}\text{Be})$

<u>E_γ</u>	<u>$E_i(\text{level})$</u>	<u>E_f</u>	<u>Comments</u>
0.32×10^3	0.32×10^3	0	B(E1) \downarrow =0.079 8 B(E1) \downarrow : E(${}^{11}\text{Be}$)=57-60 MeV/A yields B(E1)=0.079 e ² fm ² 8 (1997Fa11).

 ${}^{197}\text{Au}({}^{11}\text{Be}, {}^{11}\text{Be}')$ 1997Fa11Level Scheme