^{7}Be(α,γ) 1984Ha13

History

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

1984Ha13: ^{7}Be(α,γ) E=884, 1376 keV, measured γ yield, E_γ, I_γ. ^{11}C resonances deduced resonance strength, Γ_γ, γ-α, γ-branching ratios.

1996Re16: ^{7}Be(α,γ) E not given, compiled, reviewed capture reactions accessible to fast projectile Coulomb dissociation studies.

^{11}C Levels

E(level)	$T_{1/2}$	Comments
0		
2.0×10^3		
4319		
8.107×10^3 *5*	6 eV *+12−2*	Γ_γ=0.350 eV *56*; $\Gamma\alpha$=6 eV *+12−2* $\omega\gamma$=0.331 eV *41*. E(level): from E_{res}=0.884 MeV *8* (1984Ha13). Γ: $\Gamma=\Gamma\alpha+\Gamma_\gamma$. In (1985Aj01) a footnote on the adopted table indicated Γ=11 eV *7*; however this assumed a symmetric uncertainty In the $\Gamma\alpha$.
8.420×10^3 *2*	15.7 eV *40*	Γ_γ=3.1 eV *13*; $\Gamma\alpha$=12.6 eV *38* $\omega\gamma$=3.80 eV *57*. E(level): from E_{res}=1.376 MeV *3* (1984Ha13).

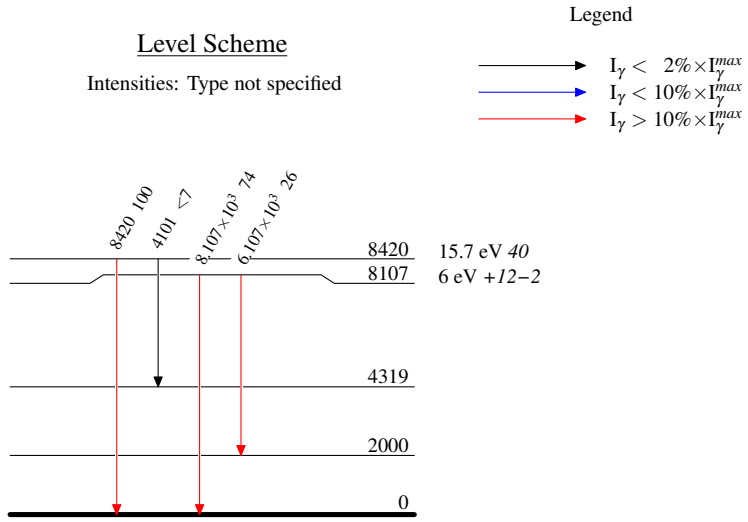
$\gamma(^{11}C)$

E_γ	I_γ	E_i(level)	E_f
4101	<7	8.420×10^3	4319
6.107×10^3	26 *5*	8.107×10^3	2.0×10^3
8.107×10^3	74 *12*	8.107×10^3	0
8420	100	8.420×10^3	0

^{7}Be(α,γ) 1984Ha13

Level Scheme

Intensities: Type not specified



$^{11}_{6}C_5$