

$^{13}\text{C(d,p)}$  1991Aj01,1986Aj01

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	F. Ajzenberg-selove, J. H. Kelley and C. D. Nesaraja		NP A523,1 (1991)	1-Jul-1990

 $^{14}\text{C}$  Levels

E(level)	$J^\pi$	S	E(level)	$J^\pi$	$T_{1/2}$	S
0	$0^+$		$10.43 \times 10^3$	$2^+$		
6094.05 11	$1^-$	0.75	$10.50 \times 10^3$	$(3^-)$		
6589.58 39	$0^+$	(0.14)	$10.74 \times 10^3$	$4^+$		(0.06)
6731.58 11	$3^-$	0.65	$11.5 \times 10^3$	$(1^-, 2^-)$		$\approx 1$
6902.24 18	$0^-$	1.02	$11.67 \times 10^3$	$4^-$		
7011.4 8	$2^+$	0.065	$11.9 \times 10^3$	3	1.10 MeV 30	
7342.65 32	$2^-$	0.72	$12.58 \times 10^3$		0.13 MeV 2	
$8.32 \times 10^3$	$2^+$	0.065	$12.86 \times 10^3$			
$9.80 \times 10^3$	$3^-$	0.07	$12.96 \times 10^3$	$(1^-)$		

 $\gamma(^{14}\text{C})$ 

$E_\gamma$	$I_\gamma$	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$	$E_\gamma$	$I_\gamma$	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$
495.35 10	98.9 1	6589.58	$0^+$	6094.05	$1^-$	6092.4 2	100	6094.05	$1^-$	0	$0^+$
613 3	34.3 35	7342.65	$2^-$	6731.58	$3^-$	6587.7 2	1.1 1	6589.58	$0^+$	0	$0^+$
634.4 13	3.6 12	6731.58	$3^-$	6094.05	$1^-$	6726.5 13	96.4 12	6731.58	$3^-$	0	$0^+$
808.7 10	100	6902.24	$0^-$	6094.05	$1^-$	7010 4	98.6 7	7011.4	$2^+$	0	$0^+$
918 4	1.4 7	7011.4	$2^+$	6094.05	$1^-$	7339 3	16.7 35	7342.65	$2^-$	0	$0^+$
1248 3	49.0 31	7342.65	$2^-$	6094.05	$1^-$						

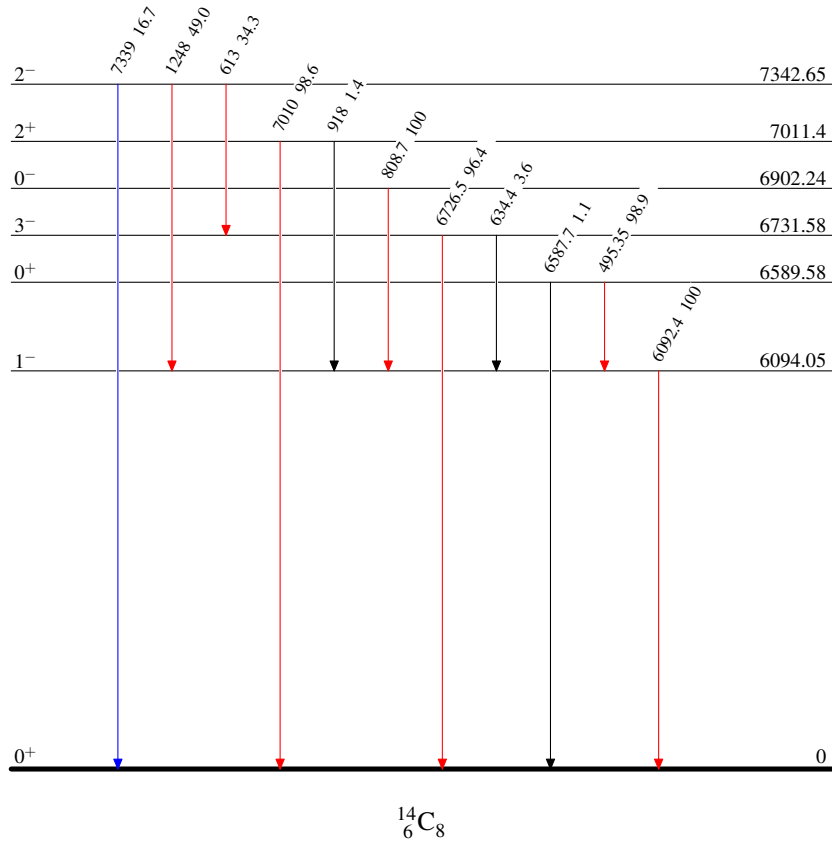
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## Level Scheme

Intensities: Type not specified

## Legend

- $\blacktriangleright$   $I_\gamma < 2\% \times I_\gamma^{\text{max}}$
- $\color{blue}\blacktriangleright$   $I_\gamma < 10\% \times I_\gamma^{\text{max}}$
- $\color{red}\blacktriangleright$   $I_\gamma > 10\% \times I_\gamma^{\text{max}}$

 $^{14}\text{C}_8$