^{14}N(μ^-,νn)

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu and J. E. Purcell	NDS 198,1 (2024)	1-Aug-2024

1973Ki12: ^{14}N(μ^-,νn) E=slow; calculated population of nuclides and levels. See also (1990Ch13).
2002St01: ^{14}N(μ^-,νn) E=slow; measured E_γ, I_γ; deduced yields, level population.

^{13}C Levels

E(level)†	J^π†
0	$1/2^-$
3089	$1/2^+$
3685	$3/2^-$
3854	$5/2^+$

† From (2002St01) and Adopted Levels.

γ(^{13}C)

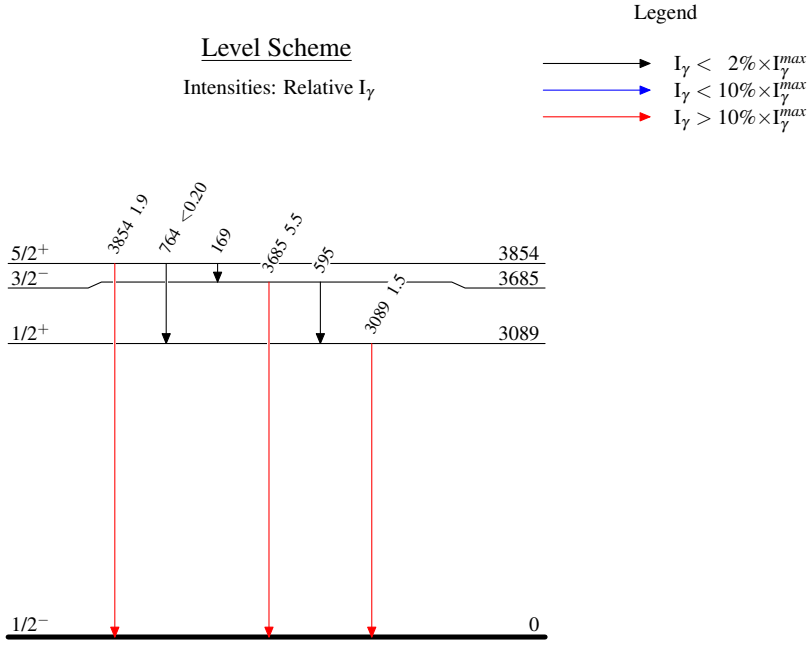
E_γ	I_γ†	E_i(level)	J_i^π	E_f	J_f^π
169		3854	$5/2^+$	3685	$3/2^-$
595		3685	$3/2^-$	3089	$1/2^+$
764	<0.20	3854	$5/2^+$	3089	$1/2^+$
3089	1.5 *3*	3089	$1/2^+$	0	$1/2^-$
3685	5.5 *2*	3685	$3/2^-$	0	$1/2^-$
3854	1.9 *2*	3854	$5/2^+$	0	$1/2^-$

† %I_γ per captured μ^-.

^{14}N(μ^-,νn)

Level Scheme

Intensities: Relative I_γ



$^{13}_{6}C_{7}$