^{14}C(p,X) res 1991Aj01

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	F. Ajzenberg-selove	NP A523,1 (1991)	1-Jul-1990

^{15}N Levels

E(level)	J^{π}	$T_{1/2}$	Comments
10449.7 *3*	$5/2^-$	<0.5 keV	Γ_p= 0.08×10^{-6} keV *1*; Γ_γ=0.29×10^{-3} eV *5*
10533.3 *5*	$5/2^+$		Γ_γ=37×10^{-3} eV *6*
10693.2 *3*	$9/2^+$		Γ_p=0.49×10^{-6} keV *10*; Γ_γ=3.1×10^{-3} eV *5*
10701.9 *3*	$3/2^-$		Γ_p=0.2 keV; Γ_γ=0.37 eV *7* OMEGA GAMMA=0.84 EV 13.
10804 *2*	$3/2^{(+)}$		Γ_p=0.22×10^{-3} keV *10*; Γ_γ=0.27 eV *14* OMEGA GAMMA=0.27 EV 4.
11291. *2*	$1/2^-$	7.9 keV *3*	Γ_n=2.3 keV; Γ_p=5.6 keV; $\Gamma\alpha$<0.3 keV; Γ_γ=0.29 eV
11437.6 *5*	$1/2^+$	41.4 keV *11*	Γ_n=34.6 keV *9*; Γ_p=6.8 keV *5*; $\Gamma\alpha$<0.3 keV; Γ_γ=4.2 eV *7*
11615. *4*	$1/2^+$	404.9 keV *63*	T=3/2; Γ_n=4.0 keV *2*; Γ_p=400.9 keV *63* $\Gamma\alpha$<0.3 keV; Γ_γ=19.2 eV *4*
11763. *3*	$3/2^+$	37 keV	Γ_n=36.5 keV; Γ_p=0.5 keV; $\Gamma\alpha$<0.3 keV
11875. *3*	$3/2^-$,$(5/2^-)$	24.5 keV	Γ_n=24.47 keV; Γ_p=0.03 keV; $\Gamma\alpha$<0.3 keV
11965. *3*	$1/2^-$	21.5 keV	Γ_n=21.2 keV; Γ_p=0.3 keV; $\Gamma\alpha$<0.3 keV
12096. *4*	$5/2^+$	14 keV *5*	Γ_n=12.0 keV; Γ_p=1.7 keV; $\Gamma\alpha$=0.6 keV
12145. *3*	$3/2^-$	47 keV *7*	Γ_n=30.2 keV; Γ_p=16.6 keV; $\Gamma\alpha$=2.2 keV
12327. *4*	$5/2^{(+)}$	22 keV	Γ_n=21.7 keV; Γ_p=0.3 keV; $\Gamma\alpha$<0.3 keV
12493. *4*	$5/2^+$	44 keV *3*	T=1/2 Γ_n=28 keV; Γ_p=0.3 keV; $\Gamma\alpha$=5.5 keV
12523. *8*	$5/2^+$	58 keV *4*	T=3/2; Γ_γ=4.6 eV *7*
12920. *4*	$3/2^-$	70 keV	Γ_n=25 keV; Γ_p=9.0 keV; $\Gamma\alpha$=15 keV
12940. *10*	$5/2^+$	81 keV	Γ_p=0.5 keV; $\Gamma\alpha$=80. keV
13.18×10^3		5.5 keV	Γ_n>0 keV
13360. *10*	$3/2^-$	24 keV	Γ_n=6. keV; Γ_p=6.0 keV; $\Gamma\alpha$=12. keV
13390. *10*	$3/2^+$	57 keV	Γ_n=20.6 keV; Γ_p=35. keV; $\Gamma\alpha$=5.5 keV; Γ_γ=3.0 eV *9*
13537. *10*	$3/2^-$	124 keV	Γ_n≈75 keV; Γ_p=8.0 keV; $\Gamma\alpha$≈40 keV
13612. *10*	$1/2^+$	88 keV	Γ_n≈16 keV; Γ_p=12.0 keV; $\Gamma\alpha$≈60 keV
13.67×10^3			Γ_n>0 keV
13.9×10^3	$1/2^+$	930 keV	Γ_p=500 keV; Γ_γ>0 eV
14.0×10^3 *1*	$5/2^+$	98 keV *10*	Γ_p=25 keV; $\Gamma\alpha$>0 keV
14.1×10^3 *1*	(3/2)		$\Gamma\alpha$>0 keV
14.5×10^3 *2*	$3/2^-$	74 keV *7*	Γ_p=20 keV; $\Gamma\alpha$>0 keV; Γ_γ>0 eV
14.7×10^3	$3/2^+$	149 keV *18*	Γ_p=39 keV; $\Gamma\alpha$>0 keV; Γ_γ>0 eV
14.71×10^3		750 keV	Γ_γ>0 eV
14.95×10^3	$3/2^+$	158 keV *19*	Γ_p=20 keV; Γ_γ>0 eV
15.0×10^3 *1*	$3/2^+$	28 keV *3*	Γ_p=9.0 keV; $\Gamma\alpha$>0 keV
15.4×10^3 *1*	$3/2^-$	39 keV *5*	Γ_p=12 keV; $\Gamma\alpha$>0 keV; Γ_γ>0 eV
15.45×10^3		750 keV	Γ_γ>0 eV
16.2×10^3 *1*	$3/2^+$	130 keV *14*	Γ_p=19 keV; $\Gamma\alpha$>0 keV
16.46×10^3		560 keV	Γ_γ>0 eV
16.67×10^3	$(3/2^+)$	90 keV *10*	T=1/2 $\Gamma\alpha$>0 keV; Γ_γ>0 eV T: tentative.
16.9×10^3 *2*	5/2	110 keV *50*	$\Gamma\alpha$>0 keV
19×10^3	$1/2^+$		T=1/2 Γ_γ>0 eV
19.5×10^3	$3/2^+$		T=3/2

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^{14}C(p,X) res 1991Aj01 (continued)

^{15}N Levels (continued)

E(level)	J^{π}	Comments
		Γ_{γ}>0 eV T: tentative.
20.5×10^{3}	$3/2^{+}$	Γ_{γ}>0 eV
21.72×10^{3}		Γ_{γ}>0 eV
22.94×10^{3}		Γ_{γ}>0 eV
25.5×10^{3}		T=3/2 Γ_{γ}>0 eV T: tentative.
$\approx37.\times10^{3}$		Γ_{γ}>0 eV