Coulomb excitation 1956Te26,1969He11,1974Hu01

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	K. Kitao, Y. Tendow and A. Hashizume	NDS 96, 241 (2002)	1-Dec-2001

1956Te26: E(^{4}He)=6.5 MeV, measured B(E2) for first 2^+ level.
1969He11: E(^{16}O)=33 MeV, measured g-factor for first 2^+ level.
1974Hu01: redetermination of g-factor measured by 1969He11.
1981Sh15: E(^{32}S)=80 MeV, measured g-factor for first 2^+ level.
1985ThZY: E(^{35}Cl)=70 MeV, measured g-factor for first 2^+ level.

^{120}Te Levels

E(level)	J^{π} †	$T_{1/2}$	Comments
0.0	0^+		
560.4 *10*	2^+	9.3 ps *19*	g=0.29 *3*; B(E2)↑=0.55 *11* (1956Te26) E(level): value from ^{120}I ε decay. $T_{1/2}$: from B(E2). g: from 1981Sh15. Value assumes $T_{1/2}$=9.3 ps *19*; other: g=0.39 *7* (1985ThZY), g=0.29 *8* (1969He11 as corrected by 1974Hu01).

† From Adopted Levels.

$\gamma(^{120}Te)$

E_γ	E_i(level)	J_i^{π}	E_f	J_f^{π}	Mult.	Comments
560.4	560.4	2^+	0.0	0^+	E2	Mult.: from ^{16}O-$\gamma(\theta)$ and comparison with Coul. ex. theory (1969He11).

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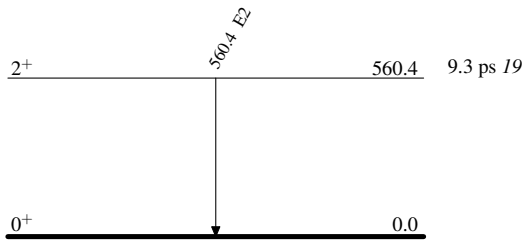
Level Scheme



$^{120}_{52}Te_{68}$