^{10}Be(t,p) 1994Fo08

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, J. E. Purcell and C. G. Sheu	NP A968, 71 (2017)	1-Jan-2017

1978Al10: ^{10}Be(t,P γ) E=12 MeV, measured $\sigma(E_P,E_\gamma,\theta)$, measured $T_{1/2}$, delayed neutrons. Deduced upper limit delayed neutron branch. ^{12}Be deduced levels, J, π.

1978Al29: ^{10}Be(t,p) E=17 MeV, measured Q. Deduced coefficients of of isobaric mass multiplet equation. ^{12}Be deduced mass excess, levels.

1994Fo08: ^{10}Be(t,p) E=15,17 MeV, measured $\sigma(\theta)$, $\sigma(E_P)$. ^{12}Be levels deduced J, π. DWBA analysis.

^{12}Be Levels

E(level)†	J$^\pi$†	$T_{1/2}$ or Γ†	Comments
0		24.4 ms *30*	%β^-n<1 (1978Al10). $T_{1/2}$: from (1978Al10).
2111 *3*	2^+		E(level): See also E_x=2110 keV *15* (1978Al10) and 2089 keV *20* (1978Al29).
2240? *20*			E(level): From (1978Al29).
2730 *3*	(0^+)		E(level): See also E_x=2712 keV *20* (1978Al29).
4580 *5*	(2^+)	101 keV *17*	In (2013Fo30) $J^\pi=3^-$ is suggested. E(level): See also E_x=4559 keV *25* (1978Al29).
5724 *6*	$(4^+,2^+,3^-)$	86 keV *15*	In (2013Fo30) $J^\pi=4^+$ is suggested. E(level): See also E_x=5703 keV *25* (1978Al29).

† From (1994Fo08), except where noted.