^{92}Zr(^{3}He,t) 1985Ru08

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 113, 2187 (2012)	15-Sep-2012

E(^{3}He)=33.8 MeV; FWHM≈35 keV; θ(c.m.)≈5°−50°.

^{92}Nb Levels

E(level)	J$^{\pi}$ †	E(level)	J$^{\pi}$ †	L ‡	E(level)	J$^{\pi}$ †	L ‡
0	7^{+}	1312 *10*	&		2802 *10*		(3)
136 *10*	2^{+}	1410 *10*	&		2867 *10*		(2)
226 *10*	2^{-}	1471 *10*	&		2945 *10*	(6^{+},5^{+})	
287 *10*	3^{+}	1643 *10*	&		3048 @ *10*	(4^{+},3^{+})	
357 [a] *10*	5^{+} & 3^{-} [a]	1764 # *10*	(4^{+})		3115 *10*	(3^{+},4^{+})	
480 [b] *10*	[b]	2254 *10*		(3)	9010 [c] *20*	0^{+} [c]	
1089 *10*	1^{+}	2747 *10*	(8^{+},7^{+})				

† Proposed by authors based on microscopic DWBA analysis of $\sigma(\theta)$; reproduction of shape of $\sigma(\theta)$ by theory is good for 9010 level but only fair to poor for other levels.

‡ Authors′ tentative value. Note, however, that shapes of $\sigma(\theta)$ for 2802 (L=(3)) and 2867 (L=(2)) levels are almost identical, whereas that for 2254 (L=(3)) level differs significantly from those for 2802 and 2867 levels.

Quoted by authors as 1764 or 1761 keV in separate sections of publication.

@ Quoted by authors as 3040 or 3048 keV in separate sections of publication.

& Authors unable to assign J value; however $\sigma(\theta)$ is similar to that for 226-keV 2^{-} level.

[a] Apparent doublet having J$^{\pi}$=5^{+} and 3^{-}.

[b] Possible doublet; J^{π}=4^{+} with possible 6^{+} component.

[c] Analog of ^{92}Zr(g.s.).