^{128}Te(α,t) 1979Sz05

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Janos Timar and Zoltan Elekes, Balraj Singh	NDS 121, 143 (2014)	31-May-2014

1979Sz05; E=36 MeV; magnetic spectrograph, FWHM=13 keV, θ=3°−25°.

^{129}I Levels

E(level)	L	C^{2}S[†]	Comments
0.0	4	2.06	C^{2}S: if 1g$_{7/2}$.
28 *4*	2	1.00	C^{2}S: if 2d$_{5/2}$.
280 *4*	2	0.19	C^{2}S: if 2d$_{3/2}$.
489 *4*	2	0.44	C^{2}S: if 2d$_{5/2}$.
560 *4*	0	0.43	
843 *4*	(4)	0.04	C^{2}S: if 1g$_{7/2}$.
1050 *6*	2	0.96	C^{2}S: if 2d$_{3/2}$.
1112 *6*	2	0.50	C^{2}S: if 2d$_{5/2}$.
1208 *6*	(0)	0.07	
1261 *6*	2	0.12	C^{2}S: if 2d$_{5/2}$.
1283 *6*	(4,5)	0.28, 0.10	
1401 *6*	5	1.31	C^{2}S: if 1h$_{11/2}$.
1484 *6*	0	0.40	E(level): from ^{130}Te(^{3}He,d), no energy is given in (α,t) reaction.
1521 *6*	(4),(5)		
1569 *6*	2	0.08, 0.04	
1619 *6*	2	0.11, 0.06	
1743 *6*	(4)+(0)	0.17	C^{2}S: if (1g$_{7/2}$+3s$_{1/2}$).
1867 *8*	(2)	0.25, 0.12	
1909 *8*			
1940 *8*			
1963 *8*			
2002 *8*			
2026 *8*			
2050 *8*			
2071 *8*			
2150 *8*			

[†] Relative values from DWBA analysis. When two values are listed, first refers to L-1/2, and the second to L+1/2.