

<sup>130</sup>Te(<sup>3</sup>He,d) 1968Au01,1979Sz05

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Yu. Khazov, I. Mitropolsky, A. Rodionov		NDS 107, 2715 (2006)	17-Jul-2006

1968Au01: E=24.9 MeV, FWHM=25 keV; measured  $\sigma(\theta)$ ,  $\theta=5^\circ-35^\circ$ . Broad-range magnetic spectrograph, DWBA analysis.

1979Sz05: E=36 MeV, FWHM=13 keV; measured  $\sigma(\theta)$ ,  $\theta=12^\circ$  and  $15^\circ$ . Q3D magnetic spectrograph, DWBA analysis.

All data are from 1968Au01, except as indicated otherwise. Though the resolution of 1979Sz05 is better, the data from 1968Au01 are more complete and are used in this data set. The assigned L in these two papers agree, except for that of the 1345 level.

<sup>131</sup>I Levels

E(level)	L	C <sup>2</sup> S <sup>‡</sup>	Comments
0	4	0.64	
149 5	2	0.53	
491 5	2	0.07	
601 5	2	0.47	
874 5	0	0.21	
1094 5			
1145 5	2	0.26,0.14	
1296 5	2	0.25,0.13	
1345 5			L: 0 (1968Au01); 2 (1979Sz05).
1425 5	2	0.03,0.02	
1499 5	2	0.10,0.05	
1638 10	5	0.70	
1672 10			
1718 10	0	0.31	
1757 <sup>†</sup> 6			
1797 10	2	0.05,0.03	
1802			
2040 10			
2134			
2175 10	0	0.05	
2308 10	0	0.09	
2329 <sup>†</sup>			
2346 10	0	0.03	
2408 10	2	0.15,0.09	
2444 10			
2567 <sup>†</sup>			
2595 <sup>†</sup>			
2638 <sup>†</sup>			
2699 20			
2744 20	0	0.07	
2807 20	0	0.02	
2854 <sup>†</sup>			
2870 20			
2894 <sup>†</sup>			
2940 20	0	0.07	
2985 <sup>†</sup>			
3040 20	0	0.07	
3090 <sup>†</sup>			
3170 20			
3700 20	0	0.06	

<sup>†</sup> From 1979Sz05.

<sup>‡</sup> Where two values are given, they correspond to L-1/2, L+1/2, respectively, of the transferred particle.