

$^{126}\text{Te}(\text{d},^3\text{He})$  1968Au04

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	J. Katakura	NDS 112, 495 (2011)	1-Jan-2010

1968Au04: E=34 MeV, semi (E)( $\Delta E$ ) counter telescope FWHM=125 keV, enriched target 98-99%.

 $^{125}\text{Sb}$  Levels

<u>E(level)<sup>‡</sup></u>	<u>L</u>	<u>C<sup>2</sup>S<sup>†</sup></u>
0.0	4	1.64
330	2	0.37
644	2	0.21
930	0	0.06
1820	4	3.1
2120	1	1.3
2330	1	0.9

<sup>†</sup> From DWBA (1968Au04) assuming the assignments of L=0, 1, 2, and 4 to be 3s<sub>1/2</sub>, 3p<sub>1/2</sub> (2120), 3p<sub>3/2</sub> (2330), 2d<sub>3/2</sub> (644), 2d<sub>5/2</sub> (330), and 1g<sub>7/2</sub> (g.s.), 1g<sub>9/2</sub> (1820).

<sup>‡</sup> Uncertainties are not given. The first three excited levels energies are consistent within 5 keV with well-known values from decay work.