

$^{99}\text{Tc}(\text{d,d}')$  1977Pe18

Type	Author	History	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	Citation NDS 145, 25 (2017)	1-Jul-2017

E=17.2 MeV. Pure  $^{99}\text{Tc}$  target. Energy loss spectrograph, FWHM=15 keV.  $\theta \approx 15^\circ$  to  $90^\circ$ .

 $^{99}\text{Tc}$  Levels

<u>E(level)<sup>†</sup></u>	<u>L<sup>‡</sup></u>	<u><math>\beta_L</math><sup>#</sup></u>	<u>E(level)<sup>†</sup></u>	<u>L<sup>‡</sup></u>	<u><math>\beta_L</math><sup>#</sup></u>	<u>E(level)<sup>†</sup></u>	<u>L<sup>‡</sup></u>	<u><math>\beta_L</math><sup>#</sup></u>
0	2		534	(4)		762	2	0.097
141	2	0.088	625	2	0.028	921	(4)	0.019
181	2	0.056	671	5		1015	(2)	0.022
509	3,5		727	2	0.067	1081	2	0.040
						1210 <sup>@</sup>	3	0.057

<sup>†</sup> From Adopted Levels for E<1 MeV since in this range, 1977Pe18 did not report own data but quoted energies from other experiments. Above 1 MeV energies are values measured by 1977Pe18.

<sup>‡</sup> From DWBA and from shell-model predictions based on  $^{98}\text{Mo}(\text{d,d}')$  cross sections.

<sup>#</sup> From DWBA.

<sup>@</sup> Doublet.