^{205}Tl(^{3}He,d) 1990Wo11

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 201,346 (2025)	21-Jan-2025

1990Wo11: Projectile: ^{3}He, E=50.9 MeV; Target: 98% enriched ^{205}Tl; Measured: scattered deuterons at θ=0°, 7°, 12°, and 18°; Determined: L-transfers and spectroscopic strengths. Detector: magnetic spectrometer, FWHM=25 keV.

^{206}Pb Levels

E(level)†	L‡	E(level)†	L‡	E(level)†	L‡	E(level)†	L‡
0.0	0	2651 *4*	3	3786 *7*	3	4494 *5*	(3)
803 *4*	2	2781 *7*	5	4004 *10*	(2)	4563 *10*	(3)
1165 *2*	0	3019 *7*	5	4049 *7*		4626 *10*	(0,2)
1341 *7*	2	3246 *3*	5	4105 *10*	(0)	4680 *10*	(2)
1465 *5*	2	3278 *3*	5	4147 *10*	(3)	4695 *10*	(3)
1700 *7*	0	3402 *7*	3	4240 *5*	(3)	4746 *10*	(0,2)
1781 *7*	2	3450 *7*	3	4294 *5*	(3)	4799 *10*	(3)
2147 *7*	2	3670 *7*	3+5	4327 *5*	(3)	4911 *10*	(2)
2312 *7*	0	3718 *7*	3	4391 *10*	(3)		

† From 1990Wo11. Peaks at 0, 803, 2648 and 3279 keV were used for calibration of the low-energy region, while ones at 3244, 3279, 3676, 3722, 4292, 4326 and 4492 keV were used for calibration of the high-energy region.

‡ From 1990Wo11, based on a comparison between experimental angular distributions with results of theoretical DWBA calculations.