^{186}W(t,p) 1977Ga01

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev, S. Juutinen, D. J. Hartley	NDS 150, 1 (2018)	1-Feb-2018

1977Ga01: E=15 MeV. Magnetic spectrograph. Data recorded at 5.5°, 15°, 27.5°, and 42.5°. Angular distributions compared with single-step two-nucleon transfer DWBA calculations are used to deduce L-transfers.

^{188}W Levels

E(level)	Jπ†	L	dσ/dΩ (μb/sr)‡	E(level)	Jπ†	L	dσ/dΩ (μb/sr)‡
0.0	0^+	0	173[b]	1816[a] *10*			9[@]
143 *2*			81	1897 *5*			11[#]
442 *2*			20[#]	1915 *5*			25[&]
630 *2*			49	1960 *10*	(0^+)	(0)	17
780 *2*			34	1994 *10*			3[@]
886 *10*	(0^+)	(0)	6	2028 *5*			14[#]
1073 *5*			14	2104 *5*			19
1233 *5*			22[#]	2175 *5*			17[#]
1437 *5*			19	2264 *5*			12
1473 *10*			10[#]	2314 *5*			29[#]
1544 *5*			28	2394 *5*			15
1721 *5*			5[&]	2427[a] *10*			30[#]

† From L transfer.
‡ Differential scattering cross section (c.m. system) in μb/sr at an angle near the maximum of $\sigma(\theta)$ curve. Authors gave uncertainty of 15% on absolute and 10% on relative cross sections. Values given for 5.5° (lab), unless stated otherwise.
# For 27.5° (lab).
@ For 15° (lab).
& For 42.5° (lab).
a Possible doublet.
b Interference from ^{12}C peak at 27.5° (lab).