^{182}W(p,t) 1980Mo11,2006Me25

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. A. Mccutchan	NDS 126, 151 (2015)	1-Feb-2015

2006Me25: E(p)=25 MeV. Measured $\sigma(\theta)$ for θ=5°, 17.5°, and 30° using Q3D magnetic spectrometer and 1 m focal plane detector; DWBA analysis using CHUCK3 code.

1980Mo11: E(p)=21 MeV. Measured $\sigma(\theta)$ using multiangle spectrograph and photographic emulsions (FWHM≈20 keV); DWBA and CCBA analysis. Subset of results presented in 1977Mo15.

Other: 1973Oo01, 1972Ma15.

^{180}W Levels

E(level)[†]	J$^\pi$[@]	L[†]	Comments
0.0	0^+	0	
104 *3*	(2^+)	(2)	E(level): weighted average of 109 *5* (1980Mo11) and 102 *3* (1972Ma15).
335 *3*	(4^+)	(4)	E(level): weighted average of 332 *5* (1980Mo11) and 336 *3* (1972Ma15).
688 *5*			
746? *10*			
831? *10*			
1012? *10*			
1037.6?[‡] *3*			E(level): indicated as a probable contaminant by 2006Me25. Level is not adopted by the evaluator. E(level): other: 1034 *10* (1980Mo11).
1083 *5*			
1120 *5*	(2^+)	(2)	
1190 *5*			
1229 *5*			
1321 *5*			
1359 *5*			
1380.8[‡] *3*	0^+	0[‡]	E(level): other: 1382 *5* (1980Mo11).
1472.1[‡] *4*	(0^+)	(0)[‡]	E(level): other: 1470 *5* (1980Mo11).
1513.6[‡] *4*	0^+	0	E(level): other: 1516 *5* (1980Mo11).
1589 *5*	2^+	2	
1635 *5*			
1689.4[‡] *5*	0^+	0	E(level): other: 1695 *5* (1980Mo11).
≈1740[#]			
1768.4[‡] *5*	0^+	0[‡]	
1824 *5*			
1906 *5*			
1932.3[‡] *6*	(0^+)	(0)[‡]	
1944 *5*			
2036.7[‡] *6*	0^+	0[‡]	
2057 *10*			
2095 *10*			
2164 *10*			
2181.6[‡] *6*	0^+	0[‡]	
2203 *10*			
2212 *10*			
2265 *10*			
2293 *10*			
2326.8[‡] *7*	0^+	0[‡]	
2356 *10*			
2400 *10*			

[†] From 1980Mo11, except where noted. L values come from a comparison of measured cross sections with calculated values

Continued on next page (footnotes at end of table)

^{182}W(p,t) 1980Mo11,2006Me25 (continued)

^{180}W Levels (continued)

(DWBA and coupled-channel Born approximation (CCBA)) at various angles.

‡ From 2006Me25. L=0 is identified by comparing the ratio of the cross section at 5° and 17.5°.

Doublet.

@ From measured L value.