

¹⁸⁰W(d,d') 1971Gu17

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

E(d)=12.1 MeV. Measured $\sigma(\theta)$ at $\theta=90^\circ$ and 125° using broad-range magnetic spectrograph and nuclear emulsions.

¹⁸⁰W Levels

E(level)	J ^{π}	Comments
0.0 ^{†‡}	0 ⁺ †	
103.6 ^{†‡}	2 ⁺ †	
337.5 ^{†‡}	4 ⁺ †	
689? ^{†‡}	6 ⁺ †	
1082 2	3 ⁻	
1118 [#] 2	(2 ⁺)	J ^{π} : based on large cross section in (d,d').
1319 6	(4 ⁺ ,5 ⁻)	E(level): composite peak.
1637 6		
1692 6		
1737 6		
1814 6		
2212 6		
2348 6		

† From the Adopted Levels.

‡ Band(A): K ^{π} =0⁺ g.s. rotational band.

Band(B): K ^{π} =(2⁺) γ -vibrational band.

$^{180}\text{W}(\text{d,d}') \quad 1971\text{Gu17}$

**Band(B): $K^\pi=(2^+)$
 γ -vibrational band**

(2^+) 1118

**Band(A): $K^\pi=0^+$ g.s.
rotational band**

6^+ 689

4^+ 337.5

2^+ 103.6

0^+ 0.0