^{188}Os(p,t) 1975Th04

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. C. Batchelder and A. M. Hurst, M. S. Basunia	NDS 183, 1 (2022)	1-Mar-2022

Other reference: 1980Se05.

No change compared to previous evaluation (2003Ba44).

1980Se05: E(p)=51.9 MeV; 94.5% ^{188}Os target, magnetic spectrograph with proportional counter array; θ(lab) typically 6°−70°; measured $\sigma(\theta)$; DWBA and CCBA calculations.
1975Th04: E(p)=18 MeV; measured $\sigma(\theta)$, θ=10°−70°.

^{186}Os Levels

E(level)[†]	L[‡]	Comments
0.0	0	
137 *2*	2	L: from CCBA analysis (1980Se05).
434 *2*		L=4 gives poor agreement with $\sigma(\theta)$ (1980Se05).
768 *2*		
868 *2*		
1061 *2*	0	
1208 *2*		
1352 *2*		
1456 *2*	0	
1481 *2*		
1571 *2*		
1628 *2*		
1642 *2*		
1656 *2*		
1780 *2*		
1914 *2*		
1937 *2*		
1953 *2*	(0)	
1990 *2*	0	
2053 *2*		

[†] 2 keV uncertainty assigned by the evaluator, based on comparison between E from (p,t) and precise E from reaction and decay gammas (where comparison can be made, (p,t) data differ by ≤2 keV, except for the 1780 and 2053 levels (which differ by 4 keV)).
[‡] From comparison of $\sigma(\theta)$ with DWBA calculations.