

$^{188}\text{Os}(\text{t,p})$ 1978FI02

Type	Author	History	Citation	Literature Cutoff Date
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1978FI02: E=15 MeV triton beam was produced from the Los Alamos Scientific Laboratory FN Van de Graaff accelerator. Target was 94.47% enriched ^{188}Os on a carbon backing. Reaction products were momentum-analyzed with a Q3D magnetic spectrograph (FWHM=10-15 keV). Measured $\sigma(\theta)$ (12° to 60°). Deduced levels, J, π , L-transfers from DWBA analysis.

1979Ci05 and **1981Ci01** compare two-neutron transfer strengths for 0^+ states with predictions from IBA model. Transition strength to g.s. measured at E(t)=17 MeV.

 ^{190}Os Levels

E(level)	L [†]	$d\sigma/d\Omega$ ($\mu\text{b/sr}$) [‡]	Comments
0	0	285	
187 5		17	
548 5		24	$d\sigma/d\Omega$ ($\mu\text{b/sr}$): for doublet 548+558.
558			
912 5	0	6	
956 5		2.2	
1113 5		2.2	
1164 5		5.6	
1388 5		7.5	
1436 5		3.6	
1676 8		5.8	
1710 8		9.5	
1734 8	0	12	
1776 8		5.0	
1868 8		6.2	
1926 8		8.5	
2006 10		16	
2054 10		11	
2113 10		14	
2176 10		11	
2299 10		41	
2358 10		16	
2400 10		18	
2451 10	(0)	35	
2484 10		6.5	
2526 10		20	
2574 10		14	

[†] From DWBA analysis of $\sigma(\theta)$ in **1978FI02**. For other states $\sigma(\theta)$ data are reported but unique L-values cannot be deduced (**1978FI02**).

[‡] At 30° (**1978FI02**).