

$^{197}\text{Au}(\text{t,p})$ **1983Ci15**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 108, 79 (2007)	15-Oct-2006

$J^\pi(^{197}\text{Au target})=3/2^+$.

1983Ci15: E=17 MeV, magnetic spectrometer, FWHM=18 keV, $\sigma(\theta)$, DWBA analysis. From syst (**1983Ci15**), the L=4 transfer is dominated by $(\nu 3p_{1/2})(\nu 2f_{7/2})$ transfer centered around 1.6 MeV.

 $^{199}\text{Au Levels}$

E(level)	L	$d\sigma/d\Omega \mu\text{b/sr}^\ddagger$	E(level)	L	$d\sigma/d\Omega \mu\text{b/sr}^\ddagger$	E(level)	L	$d\sigma/d\Omega \mu\text{b/sr}^\ddagger$
0	0	154 2	1344 5	$\dagger$	0.4 3	1908 5	$\dagger$	1.9 4
78 5	$\dagger$	0.4 2	1396 5	4	4.5 5	1926 5	$\dagger$	1.0 4
325 5	$\dagger$	1.2 2	1432 5	$\dagger$	2.2 4	1948 5	2	4.5 5
498 5	2	4.7 5	1454 5	4	3.0 4	1967 5	$\dagger$	2.1 4
791 5	0	6.1 5	1489 5	4	5.8 5	1994 5	$\dagger$	2.7 5
822 5	2	1.4 3	1539 5	$\dagger$	2.6 4	2008 7	$\dagger$	1.1 4
905 5	0	0.8 2	1568 5	4	3.0 4	2038 5	$\dagger$	2.4 5
968 5	2	0.6 2	1602 5	4	2.7 4	2073 5	$\dagger$	1.2 3
1070 5	2	1.7 3	1635 5	$\dagger$	1.0 3	2107 5	$\dagger$	2.2 4
1102 5	(2)	2.0 3	1660 7	$\dagger$	1.3 3	2139 5	$\dagger$	1.5 4
1158 5	(2)	1.7 2	1709 5	4	16 1	2174 5	$\dagger$	1.5 4
1185 5	2	0.9 2	1765 5	4	2.5 5	2205 5	$\dagger$	2.4 4
1244 5	2	0.9 2	1801 5	0	4.5 6			
1312 5	$\dagger$	0.8 3	1849 5	$\dagger$	2.6 5			

$\dagger$ $\sigma(\theta)$ distribution shown by **1983Ci15**, but No L value could Be deduced.

$\ddagger$ At 50° .