^{100}Ru(d,p)　　1988Du12,1977Ho02

	History		
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	ENSDF	1-Jul-2006

E= 12 MeV (1988Du12), E= 11.5 MeV (1977Ho02).

Semi detector resolution: FWHM≈ 25 keV (1977Ho02).

Magnetic spect. Nuclear emulsion plates, FWHM=7.5 keV (1988Du12).

DWBA, angular distribution at 11 angles, 15°−68° (1977Ho02).

DWBA, angular distribution at 7 angles, 10°−60° (1988Du12).

Q(d,p)= 4581 *4*.

^{101}Ru Levels

E(level)[†]	L[†]	S′	Comments
0.0[‡]	2	2.10	
127[‡]	2	0.067	
307	4	5.3	
326[‡]	0	0.96	
421[‡]	2	0.15	
533[‡]	2+5	0.72,5.8	S′: S′=0.72 for J=5/2·S′=0.75 for J=3/2·S′=5.82 for L=5.
597[‡]	3	0.60,0.74	L: 1977Ho02 give L=4,L(d,t) clearly requires L=3.
622[‡]	0	0.063	
685[‡]	2	0.17,0.18	L: 1977Ho02 give L=0+2.
718	1	0.017,0.018	
742			
823[‡]	2	0.40,0.43	
908	1	0.057,0.060	
972[‡]	2	0.63,0.70	
1051	4	0.28	
1098	0	0.028	
1112[‡]	0	0.17	
1227	0	0.016	
1268	2	0.019,0.02 *2*	
1501			
1544			
1584[‡]	2	0.45,0.50	
1659			
1689[‡]	5	3.7	S′ obtained for J=11/2.
1714	0	0.012	
1779	1	0.027,0.02 *8*	
1813	2	0.064,0.06 *8*	
1825[‡]	2	0.075,0.08 *1*	
1842	2	0.041,0.04 *3*	
1861	0	0.062	
1878[‡]	2	0.25,0.27	
1893			
1936	0	0.061	
1969	2	0.20,0.21	
1997	2	0.12,0.13	
2057	0	0.076	
2087			
2133	1	0.037,0.03 *9*	
2147	(1)	0.043,0.046	

<u>^{100}**Ru(d,p)**   **1988Du12,1977Ho02** (continued)</u>

<u>^{101}Ru Levels (continued)</u>

E(level)[†]	L[†]	S′	Comments
2218[#]			
2299	2	0.098,0.105	
2348	(1)	0.020,0.021	
2404	2	0.20,0.23	E(level): doublet.
2443	2	0.09,0.10	
2459	(3)	0.042,0.056	
2493	2	0.063,0.072	
2544			
2600	3	0.12,0.14	
2624			
2654[#]			
2694	2	0.038,0.042	
2718	1	0.046,0.049	
2752			
2784	3	0.026,0.02 7	
2815			
2844	(3)	0.10,0.11	
2867			
2881			
2901			
2918			
2931			
2977			
3019			
3065			
3083			
3120			
3173			
3228	0	0.031	

[†] From 1988Du12. Uncertainty ± 7 keV.
[‡] Also seen by 1977Ho02, L agrees with 1988Du12, unless otherwise noted.
[#] Possible doublet.