

<sup>92</sup>Mo(t,p) 1981FI06

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni		NDS 107, 2423 (2006)	1-Jan-2006

1981FI06: E=17 MeV. Enriched target. Magnetic spectrometer, FWHM=15 keV.  $\theta=10^\circ$  to  $60^\circ$ .

1988Ch29: E=12 MeV. Enriched target. Magnetic spectrometer, FWHM=15 keV.  $\theta=5^\circ$  to  $87.5^\circ$ ,  $92.5^\circ$  to  $175^\circ$  at  $7.5^\circ$  steps.

Observed levels with energy less than 4 MeV.

<sup>94</sup>Mo Levels

E(level)	L <sup>†</sup>	$\epsilon^\ddagger$	Comments
0	0	1.05	
870 5	2	1.14	
1573 5	4	0.88	
1742 5	0	0.06	
1864 5	2	0.11	
2068 5	2	0.58	
2294 <sup>b</sup> 5	4	0.07	
2391 <sup>b</sup> 8	2	0.01	
2422 5	6	8.7	
2532 8	3	0.54	
2564 8	4	0.21	
2608 <sup>b</sup> 8			
2772 <sup>#</sup> 12	4	0.14	L: 0 (1988Ch29).
2872 <sup>#</sup> 12	2	0.36	
3014 12	3	0.35	
3170 <sup>@</sup> 12	6	5.5	
3204 10	4	0.27	
3267 12	1	0.016	L: (3) (1988Ch29).
3320 <sup>@b</sup> 20	&		
3340 <sup>@b</sup> 15			
3380 <sup>@</sup> 20	(5)		L: from 1988Ch29.
3392 <sup>#</sup> 15	0 <sup>a</sup>		L: from 1988Ch29.
3452 10	2		L: from 1988Ch29; L=2,3 (1981FI06).
3534 10	2	0.53	
3620 <sup>#b</sup> 12	(5)	0.04	
3714 <sup>#</sup> 10	(3)& <sup>a</sup>		L: from 1988Ch29.
3790 12	2	0.11	
3845 12	4	0.16	
3895 <sup>#</sup> 12	(6) <sup>a</sup>		L: from 1988Ch29.
3984 <sup>#</sup> 12	2	0.41	L: (3) from 1988Ch29.
4032 10	5	0.17	
4079 <sup>#</sup> 12	4	0.30	
4120 12	2,3		
4174 12	6	3.9	
4223 12	4	0.087	
4293 <sup>@</sup> 12			
4319 <sup>@</sup> 15			
4388 <sup>#@</sup> 15	<sup>a</sup>		
4436 12	<sup>a</sup>		
4475 12	(2)	0.14	
4565 <sup>#</sup> 12			
4599 12			

Continued on next page (footnotes at end of table)

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 $^{92}\text{Mo}(t,p)$  **1981FI06 (continued)**

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 $^{94}\text{Mo}$  Levels (continued)

<u>E(level)</u>	<u>E(level)</u>	<u>L<sup>†</sup></u>	<u>E(level)</u>
4636 <sup>#</sup> 12	4804 12	a	4921 12
4729 15	4833 <sup>@</sup> 12		4975 12
4755 12	4886 12	a	5059 15

<sup>†</sup> From DWBA (1981FI06), unless indicated otherwise.

<sup>‡</sup> Enhancement factor  $\varepsilon$  defined by  $d\sigma/d\Omega(\text{exp})=9.7 \varepsilon N d\sigma/d\Omega(\text{DWBA})$  with  $N=22$ .

<sup>#</sup> Unresolved multiplet indicated by broad group (1981FI06).

<sup>@</sup> Group only partly resolved (1981FI06).

<sup>&</sup> There is no indication of a  $0^+$  state in this unresolved group (1981FI06).

<sup>a</sup> Angular distribution of this group shows that it belongs to more than one state (1981FI06).

<sup>b</sup> Not seen by 1988Ch29.