

²⁰⁶Pb(p,p') 1983Fi10

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 109, 1527 (2008)	31-Jan-2008

1983Fi10: E(p)=35 MeV; Target: enriched ²⁰⁶Pb (97.22%); Measured: p'(θ) using magnetic spectrometer with nuclear emulsions with FWHM=6-9 keV and with proportional counters with FWHM=15-20 keV.

Others: ²⁰⁶Pb(p,p') studies of the ²⁰⁶Pb structure: 1964St15, 1966Ka02, 1967Va10, 1968Ri11, 1969So12, and 1972AdZR (or 1972TaZH); Studies, including IAR and giant resonances, by means of the ²⁰⁶Pb(p,p') reaction: 1968Le09, 1969Fi01, 1972Ay01, 1974Gl03, 1978Ba23, 1983Ba44, and 1983Ti03. Similar studies include ²⁰⁵Tl(p,p') (1970Gl01); ²⁰⁶Pb(p,p) (1971Ma17); and ²⁰⁶Pb(p,p'γ) (1981Di08).

Additional information 1.

²⁰⁶Pb Levels

E(level) [†]	L [†]	E(level) [†]	L [†]	E(level) [†]	L [†]	E(level) [†]	L [†]
0 [‡]		3772 2	5	4809 6	(5,6)	5619 8	
803.1 [‡]	2	3795 6		4828 4	(7)	5640 8	(3)
1170 3		3827 5		4860 6	(6)	5653 8	
1344 2		3847 4		4873 4		5676 6	
1469 2	2	3883 5		4889 5	(3)	5687 4	
1686 1	4	3898 5		4901 4		5703 8	(5)
1708 3		3963 5	(8)	4916 4	(3)	5715 7	
1787 2		3980 5		4939 4	(6)	5722 7	
1997.7 [‡]	4	3997 5		4960 7	(3)	5747 8	
2151 3	(2)	4006 3	(4)	4986 3	(3)	5763 8	
2200.23 [‡]	7	4044 3	(6,7)	5007 4	(4)	5779 8	(5)
2385 2		4059 5	(5)	5025 5		5796 7	(4,5)
2422 3	(2)	4073 7		5045 6		5823 8	
2647.9 [‡]	3	4107 2	2	5069 6		5843 8	
2782.26 [‡]	5	4123 3	6	5092 4	(3,4)	5860 7	
2831 5		4145 5		5111 5	(4)	5885 4	
2861 5		4168 4	(3)	5126 6	(5)	5911 [#] 7	(4)
2928 [‡]	4	4183 5		5138 7		5949 7	
2960 2		4219 3	(4)	5169 4		5959 5	
2988 3		4242 3	(2)	5190 5		5974 5	
3014 3	5	4292 5	(3)	5209 5		5990 8	
3033 3		4333 2	4	5227 8		6001 5	
3121 3		4357 3	6	5245 3	(3)	6023 7	
3139 6		4391 5	(5)	5279 5		6040 5	
3193 3	(5)	4420 5		5296 6		6065 8	
3224 5		4456 5	(5)	5309 4		6071 4	
3257 1	6	4474 3	5	5332 7	(3)	6083 7	
3277 1	5	4496 5	(5,6)	5365 6		6117 7	
3328 5		4534 4	5	5403 6		6146 7	
3377 2		4580 3	8	5422 6	(4)	6154 5	
3399 1	5	4595 5		5435 7		6167 6	
3450 1	4	4614 7	(3)	5452 8	(4)	6181 7	
3478 4		4647 5		5463 6	(3)	6198 7	(6)
3515 3	(5)	4664 4	5	5485 4	(4)	6229 8	
3558 2	5	4691 7		5507 6		6264 6	(5)
3603 4		4710 4	(4,5)	5533 6	(4)	6284 8	
3655 5		4729 6		5544 7		6302 7	
3675 6		4742 5		5561 8	(4)	6314 6	
3718 2	3	4770 4		5588 8	(5)	6332 6	
3737 4		4793 5	5	5599 8		6346 6	

Continued on next page (footnotes at end of table)

 $^{206}\text{Pb}(\text{p,p}') \quad \mathbf{1983\text{Fi10}}$ (continued) ^{206}Pb Levels (continued)

<u>E(level)[†]</u>	<u>E(level)[†]</u>	<u>E(level)[†]</u>	<u>E(level)[†]</u>
6382 8	6480 7	6593 9	6692 7
6408 8	6496 9	6617 8	6761 5
6433 7	6524 9	6634 10	6806 6
6444 7	6545 10	6655 8	
6459 7	6574 8	6689 11	

[†] From [1983Fi10](#), unless otherwise noted.

[‡] Value used by [1983Fi10](#) as calibration.

[#] Authors' value of 5011 corrected to 5911.