210Bi(p,t): target=9⁻ isomer 1979Er11 History Author Citation Literature Cutoff D

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E=18.4 MeV, FWHM=10-15 keV.

The authors suggest, on the bases of excitation energies and $\sigma(\theta)$, that the L=0 levels At 2473 and 2413 have configuration= $^{206}\text{Pb}(0^+)\pi 1\text{h}_{9/2}\nu 2\text{g}_{9/2}$ and the L=2 levels have configuration= $^{206}\text{Pb}(2^+)\pi 1\text{h}_{9/2}\nu 2\text{g}_{9/2}$. Nearly all the ^{206}Pb core strength resides In the 2473 level (82%) with an additional 8% In the 2413 level.

²⁰⁸Bi Levels

E(level) [†]	L	S#	Comments
0.0 63 511	_		
603 632 652			E(level): doublet consisting of the 628.6 and 633.1 levels.
889 927 961			
1097 1576 1664			
1721 [‡] 1792 2137 7 2165 7	0		
2346 2413 <i>5</i> 2434	0	0.08	
2473 <i>5</i> 2560 <i>5</i> 2668	0	0.82	
2850 <i>7</i> 3099 <i>5</i>	2	0.09	
3162 <i>5</i> 3261 [‡] <i>10</i>	2	0.26	
3310 [‡] <i>10</i> 3340 <i>7</i> 3420 <i>10</i>	2	0.19	
3462 5	2	0.08	
3530 <i>7</i> 3572 <i>5</i> 3640 [‡] <i>7</i>	0 2	0.03 0.12	
3761 <i>7</i> 3777 <i>10</i>			
3861 <i>5</i> 3916 <i>10</i>			
4023 <i>10</i> 4097 <i>10</i> 4147 <i>5</i>			
4249 5			

[†] Energies given without uncertainties are taken by the authors from the (p,d) work of 1973Cr05 and rounded off by them to the nearest keV. The authors do not state how their spectrum was calibrated, but they appear to have used the (p,d) data As

²¹⁰Bi(p,t): target=9⁻ isomer 1979Er11 (continued)

²⁰⁸Bi Levels (continued)

calibration points. Their energies are thus subject to the same correction As required for the (p,d) values. See (p,d) for a discussion of this correction. Where used In adopted values, and for correlation with levels from other reactions, the evaluator has lowered the authors' values, given above, using the relation E(corrected) = 0.99747E(authors).

[‡] Doublet (from peak Γ).

[#] Value given is the fraction of ²⁰⁶Pb core strength (²⁰⁶Pb(0⁺) for L=⁰, ²⁰⁶Pb for L=²) concentrated In the ²⁰⁸Bi level.