

$^{104}\text{Pd}(p,p')$ 1971Do10,1992Pi08

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 108,2035 (2007)	30-Mar-2007

E=12 MeV (1971Do10). E=30.7 MeV (1992Pi08), (d,d') E=50.7 MeV (1992Pi08).

Measured $\sigma(E(p))$ (1971Do10). $\sigma(E(p),\theta)$ coupled channel calculation. Study of $J^\pi=4^+$ states, hexadecapole strength (1992Pi08).

 ^{104}Pd Levels

E(level) [†]	J^π [‡]	E(level) [†]	J^π [‡]	E(level) [†]	J^π [‡]	E(level) [†]	J^π [‡]
0	0 ⁺	2520 2	2	3094 5	3 ⁻	3461 5	(2 ⁺)
556 2	2 ⁺	2533 2	2 ⁺	3138 5	4 ⁺	3477 5	4 ⁺
1323 2	4 ⁺	2571 2	4 ⁺	3153 5	4 ⁺	3515 5	
1333 2	0 ⁺	2622 5	1 ⁻	3167 5	(2 ⁺)	3522 5	2 ⁺
1342 2	2 ⁺	2640 5	4 ⁺	3187 5	2 ⁺	3556 5	(5 ⁻)
1794 2	2 ⁺	2669 5	5 ⁻	3195 5	8 ⁺	3578 5	
1941		2678 5		3210		3602 5	2 ⁺
1948		2695 5	2 ⁺	3224 5	2 ⁺	3622 5	(2 ⁺)
1998		2734 5	4 ⁻	3230 5	6 ⁺	3647 5	2 ⁺
2081	4 ⁺	2767 5	5 ⁻	3253 5	2 ⁺	3666 5	4 ⁺
2103 2	0 ⁺	2773 5	4 ⁺	3271 5	6 ⁺	3704 5	
2135		2804 5	4 ⁺	3285 5	4 ⁺	3726 5	(4 ⁺)
2181 2	4 ⁺	2815 5	5 ⁻	3297 5	(5 ⁻)	3738 5	4 ⁺
2194 2	3 ⁻	2871 5		3321 5	2 ⁺	3744 5	(5 ⁻)
2228 2	4 ⁺	2904 5	(6 ⁺)	3334 5		3758 5	2 ⁺
2244 2	2 ⁺	2922 5	2 ⁺	3349 5	2 ⁺	3787 5	4 ⁺
2263 2	4 ⁺	2959 5	(7 ⁻)	3362 5	4 ⁺	3833 5	2 ⁺
2338 2	2 ⁺	2994 5	4 ⁺	3376 5	6 ⁺	3849 5	2 ⁺
2352		3014		3381 5	2 ⁺	3873 5	(2 ⁺)
2454		3020		3417 5	2 ⁺	3903 5	(3 ⁻)
2463		3077		3432 5	3 ⁻	3934 5	4 ⁺
2491 2	5 ⁻	3084 5	2 ⁺	3447		3959 5	3 ⁻

[†] All E with ΔE are from 1992Pi08.

[‡] From 1992Pi08. From comparison between angular distribution and coupled channel calculation and previous known J^π .