^{204}**Pb(t,α)**   **1977Fl04**

	Type	Author	History Citation	Literature Cutoff Date
	Full Evaluation	F. G. Kondev	NDS 105,1 (2005)	1-Mar-2005

E(t)=17 MeV, 75% polarized ^{3}H; Target: enriched ^{204}Pb, 0.19 mg/cm^2 thick; Measured: $\sigma(E(\alpha),\theta)$, $\Delta E(\alpha)$=15 keV, A(θ); Deduced: E, L, J^π, S. DWBA analysis. Other: 1966Hi05.

^{203}Tl Levels

E(level)[†]	$J^{\pi a}$	S[b]	E(level)[†]	$J^{\pi a}$	S[b]	E(level)[†]	$J^{\pi a}$	S[b]
0[‡]	1/2$^+$	1.80	1580[&] 5	5/2$^+$	0.30	2100 10	3/2$^+$	0.21
279[#] 5	3/2$^+$	2.46	1618 5	3/2$^+$	0.11	2140 10	5/2$^+$	0.17
680 5	5/2$^+$	0.42	1657 5	5/2$^+$	0.13	2170 10	11/2$^-$	0.43
1045 5	3/2$^+$	0.05	1695 5	(5/2$^+$)	0.67	2290 10		
1075 5	3/2$^+$	0.11	1760 5	(11/2$^-$)	0.52	2310 10	(5/2$^+$)	0.93
1232 5	3/2$^+$	0.90	1830 10	5/2$^+$	0.13	2330 10		
1318 5	3/2$^+$	0.21	1850 10			2370 10	11/2$^-$	0.75
1414 5	1/2$^+$	0.047	1920 10	1/2$^+$	0.07	2430 10	11/2$^-$	1.40
1458[@] 5	11/2$^-$	5.92	2010 10	3/2$^+$	0.05	2470 10	(5/2$^-$)	

[†] From 1977Fl04.
[‡] Configuration=$\pi(s_{1/2}^{-1})$.
[#] Configuration=$\pi(d_{3/2}^{-1})$.
[@] Configuration=$\pi(h_{11/2}^{-1})$.
[&] Dominant configuration=$\pi(d_{5/2}^{-1})$.

[a] From vector analyzing power in 1977Fl04.
[b] S=N*(dσ/dΩ)(exp)/(dσ/dΩ)(DWBA) with N=1/23 (1977Fl04).