

$^{208}\text{Pb}(\text{t,p})$, (pol t,p) 1972F110,1976F107

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 121, 561 (2014)	31-Mar-2014

1972F110: (t,p): E=20 MeV, magnetic spectrograph=15 keV (FWHM) at $\theta=10^\circ-30^\circ$, ΔE -E counter=30 keV (FWHM) at $\theta=33^\circ-72^\circ$. Others: [1984He10](#), [1983Os02](#), [1976F112](#), [1968Bj03](#).

1976F107: (pol t,p): magnetic spectrometer, FWHM=18 keV. Measured scattered protons at $\theta=15^\circ, 25^\circ, 30^\circ, 35^\circ, 45^\circ$, and 55° .

Deduced differential cross sections and analyzing powers. Results from DWBA calculations of these quantities agree well with experimental values for L-transfers of 0 to 4.

 ^{210}Pb Levels

E(level) [@]	L [†]	$\sigma(\text{t,p})$ [#]	E(level) [@]	L [†]	$\sigma(\text{t,p})$ [#]	E(level) [@]	$\sigma(\text{t,p})$ [#]
0.0 ^{&}	0	102	2861	$\ddagger$	27	3792	25
795 ^{&}	2	116	2901	(5)	49	3829	26
1094 ^{&}	4	186	2986		35	3869	58
1193 ^{&}	6	146	3120		66	4055	424
1272 ^{&}	8	94	3150	(6)	112	4133	84
1799	(10)	35	3223		15	4192	25
1869 ^{&}	3	92	3281		48	4255	223
2003	$\ddagger$	44	3312	8	406	4286	40
2038	$\ddagger$	35	3365		38	4383	100
2214	2	115	3420		22	4470	20
2410		97	3454	4	361	4570	14
2454		66	3560		86	4586	46
2516	6	527	3621		193	4675	40
2701	4	551	3657		158	4949	89
2790		18	3702		93		
2823	$\ddagger$	42	3755		39		

[†] Deduced from (t,p) angular distributions ($\theta=10^\circ-72^\circ$) at 17 angles by comparison with results from DWBA calculation ([1972F110](#)).

[‡] L=(8)+(4) from composite (t,p) angular distributions.

[#] $\sigma(\mu\text{b/sr})$ at $\theta=30^\circ$ ([1972F110](#)).

[@] From (t,p) ([1972F110](#)).

[&] Observed also in (pol t,p) ([1976F107](#)).