

$^{194}\text{Pt}(\alpha,t), (^3\text{He,d})$ 1978Mu08

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong and Kang Mengxiao		NDS 121, 395 (2014)	1-Mar-2014

$^{194}\text{Pt}(\alpha,t)$ E=35.1 MeV, $^{194}\text{Pt}(^3\text{He,d})$ E=41.2 MeV; measured $\sigma(\theta)$ at 8° – 60° ; analyzed with DWBA. FWHM=25 keV.

 ^{195}Au Levels

<u>E(level)[†]</u>	<u>J^π[‡]</u>	<u>L[#]</u>	<u>C²S[@]</u>	<u>E(level)[†]</u>	<u>J^π[‡]</u>	<u>L[#]</u>	<u>C²S[@]</u>	<u>E(level)[†]</u>	<u>J^π[‡]</u>	<u>L[#]</u>	<u>C²S[@]</u>
0.0	3/2 ⁺	2	0.175	841 4	1/2 ⁺	0	0.316	1585 4	(7/2) ⁻	3	3.00
61 4	1/2 ⁺	0	0.125	1067 4	(9/2) ⁻	5	0.356	1781 4	(7/2) ⁻	3	0.158
237 4	3/2 ⁺	2	0.019	1106 4	(3/2) ⁺	2	0.038	1983 4	(9/2) ⁻	5	0.156
316 4	11/2 ⁻	5	0.039	1335 4	1/2 ⁺	0	0.037	2350 4	(13/2) ⁺	6	0.270
440 4	5/2 ⁺	2	0.076	1394 4	(3/2) ⁺	2	0.026				
521 4	7/2 ⁻	3	0.008	1503 4	1/2 ⁺	0	0.098				

[†] ΔE uncertainties are different between 1978Mu08 and 1976MuZN. Values are from 1978Mu08.

[‡] From value assumed for the C²S extractions.

[#] From $\sigma(\theta)$ in (³He,d) DWBA analysis and ratio of (α,t) to (³He,d) cross sections.

[@] From DWBA analysis.