^{197}Au(p,α) 1981Be20

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh	NDS 177, 1 (2021)	3-Sep-2021

1981Be20: E=25 MeV proton beam was produced from the Orsay tandem. Reaction products were momentum-analyzed with a split-pole magnetic spectrograph (FWHM=20 keV). Measured Eα, Iα at 5° and 20° (lab). Deduced levels. The cross sections at 5° (lab) are given by 1981Be20.

Others:
1996Co12: E=120, 160, 200 MeV. Measured cross section and $\sigma(\theta)$.
2008Gi07: E-200 MeV. Measured σ.
1971Ga23: E=20-42 MeV. Measured σ.

^{194}Pt Levels

E(level)[†]	Relative σ (5°)	E(level)[†]	Relative σ (5°)	E(level)[†]	Relative σ (5°)	E(level)[†]	Relative σ (5°)
0	100	1370 *5*	10	1778 *5*	10	2028 *5*	40
328[‡]	123	1421 *5*	130	1816 *5*	40	2065 *5*	15
622[‡]	33	1484 *5*	210	1873 *5*	110	2129[#] *5*	75
811[‡]	11	1508 *5*	95	1890 *5*	75	2163 *5*	50
923[‡]	6	1544 *5*	25	1911 *5*	150	2171 *5*	100
1230 *5*	150	1622 *5*	110	1979 *5*	115	2210 *5*	90
1267 *5*	26	1676 *5*	20	1996 *5*	40	2269 *5*	180

[†] Uncertainty of 5 keV assigned by evaluators, based on FWHM=20 keV.
[‡] Precise value not determined by authors due to poor calibration. The value given here is from authors′ (p,d) data.
[#] Doublet.