^{195}Pt(d,t) 1965Mu05

History

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

1965Mu05: E=15 MeV deuteron beam was produced from the University of Pittsburgh cyclotron. Target was a ≈3 mg/cm^2 self-supporting metal foil of ≈60% enriched ^{195}Pt. Reaction products were momentum- analyzed with a 60° wedge-type magnetic spectrograph (FWHM= 50-70 keV). Measured σ at 60° and 90°. Cross sections given at 60° with relative uncertainty of 10% and absolute uncertainty of 30%. Others from the same laboratory: 1964Co11, 1963Mu01, 1960Co10.

Other:

2014Gi08: ^{195}Pt(d,tγ) E=11.3 and 16.5 MeV from Oslo Cyclotron. Measured Eγ, Iγ. Deduced level densities.

^{194}Pt Levels

E(level)	dσ/dΩ (mb/sr)†	E(level)	dσ/dΩ (mb/sr)†	E(level)	dσ/dΩ (mb/sr)†
0	0.59	1640 *20*	0.02	2410 *20*	0.30
310 *20*	0.09	2030 *20*	0.92‡	2560 *20*	0.20
610 *20*	0.13	2080 *20*	0.92‡	2720 *20*	0.15
1220 *20*	0.09	2130 *20*	0.45	2990 *20*	0.40

† At 60°.

‡ Combined for 2030+2080 groups.