^{48}Ca(d,d′),(pol d,d′) 1975Ba41

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 179, 1 (2022)	30-Nov-2021

1975Ba41: E=15 MeV deuterons were produced from the Rutgers-Bell FN tandem accelerator and polarized deuterons were from the Rutgers atomic-beam polarized-ion source. Target was 1 mg/cm^2 98% pure ^{48}Ca. Scattered deuterons were detected with two E-ΔE solid-state counter telescopes. Measured $\sigma(\theta)$ and vector and tensor analyzing powers. Deduced L-transfers and deformation parameters from DWBA analysis.

^{48}Ca Levels

E(level)	J^π	L	β_L
0.0	0^+		
3.83×10^3		2	0.16
4.51×10^3		3	0.17