
 $^{142}\text{Nd}(\text{pol p,p}),(\text{p,p}),(\text{p,p}') \quad \text{1977Cl02}$

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 113, 715 (2012)		31-May-2011

E(pol p)=9-12.7 MeV. Others: (pol p,p) ([1968Cl01](#)), (p,p) ([1970Gr05](#),[1966Wu02](#)), (p',p) ([1970Gr05](#)).

Measured: $\sigma(E)$, analyzing power ([1977Cl02](#)).

Isobaric analog resonances are analogs of ^{143}Nd levels: 0, 742, 1306, 1408, 1545, 1845?, 1853, 1921; for details on S see [1977Cl02](#).

 ^{143}Pm Levels

E(level) [†]	J π [#]	T _{1/2} [‡]
13800	7/2 ⁻	54 keV
14550	3/2 ⁻	79 keV
15120	1/2 ⁻	97 keV
15240	9/2 ⁻	30 keV
15350	5/2 ⁻	59 keV
15680	7/2 ⁻	39 keV
15690	3/2 ⁻	75 keV
15750	5/2 ⁻	76 keV

[†] Resonance energy+S(p); S(p)=4300 (rounded off).

[‡] Total Γ .

[#] From $\sigma(E,\theta)$ and analyzing power.