
 $^{144}\text{Nd}(\text{p},\alpha)$ **1986Ga16,1983Ga04**

| <u>Type</u> | <u>Author</u> | <u>History Citation</u> | <u>Literature Cutoff Date</u> |
|-----------------|---------------|-------------------------|-------------------------------|
| Full Evaluation | N. Nica | NDS 187,1 (2023) | 12-Oct-2022 |

$E(\text{p})=25$ MeV.

Measured: $\sigma(E,\theta)$; resolution ≈ 13.5 keV.

 ^{141}Pr Levels

| <u>E(level)[#]</u> | <u>J^{π}[†]</u> | <u>σ[‡]</u> |
|-----------------------------|---|--|
| 0.0 | 5/2 ⁺ | 39.49 |
| 145 | 7/2 ⁺ | 23.25 |
| 1118 | 11/2 ⁻ | 22.15 |
| 1299 | 1/2 ⁺ | 6.82 |
| 1607 | 3/2 ⁺ | 10.47 |
| 1650 | | |

[†] Adopted values.

[‡] $\sigma(0^\circ$ to $84^\circ)$ (integrated) in μb .

[#] **1986Ga02** reported also weak level at 1453 keV.