

$^{151}\text{Eu}(p,p')$  1978La10

| <u>Type</u>     | <u>Author</u> | <u>History Citation</u> | <u>Literature Cutoff Date</u> |
|-----------------|---------------|-------------------------|-------------------------------|
| Full Evaluation | Balraj Singh  | NDS 110, 1 (2009)       | 20-Nov-2008                   |

E=12 MeV.

$\sigma(\theta)$  data at 110°, 120° and 130°. DWBA calculations. FWHM=7 keV. Deformation parameters deduced from DWBA.

 $^{151}\text{Eu}$  Levels

| <u>E(level)</u>     | <u>Comments</u>                 |
|---------------------|---------------------------------|
| 0 $\ddagger$        |                                 |
| 21                  | From (p,p' $\gamma$ ).          |
| 195.5 $\ddagger$ 15 | $\beta_2=0.131, 0.117, 0.120$ . |
| 308 $\ddagger$ 2    | $\beta_2=0.128, 0.116, 0.117$ . |
| 506 $\ddagger$ 3    | $\beta_2=0.140, 0.134, 0.134$ . |
| 583 $\dagger$ 5     |                                 |
| 600 5               |                                 |

$\dagger$  Complex peak.

$\ddagger$  Band(A): 5/2(411) band.  $\beta_2=0.13$  I.

---

 $^{151}\text{Eu}(\text{p},\text{p}') \quad 1978\text{La10}$ 

Band(A): 5/2(411) band

---

506

---

308

---

195.5

---

0 $^{151}_{63}\text{Eu}_{88}$