

$^{140}\text{Ce}(\mu^-, 3n\gamma)$ 1973Lu01

| Type | Author | History Citation | Literature Cutoff Date |
|-----------------|-----------------------|---------------------|------------------------|
| Full Evaluation | E. Browne, J. K. Tuli | NDS 108,2173 (2007) | 1-Oct-2006 |

Measured: G.
Other: 1966Gr22.

 ^{137}La Levels

| E(level) | J^π † |
|----------|-----------|
| 0.0 | $7/2^+$ |
| 10.6 | $5/2^+$ |
| 446.3 6 | $5/2^+$ |
| 491.5 | |
| 761.4 7 | $11/2^+$ |
| 834.7 6 | $9/2^+$ |

† Adopted values.

 $\gamma(^{137}\text{La})$

| E_γ | I_γ † | $E_i(\text{level})$ | J_i^π | E_f | J_f^π |
|------------|--------------|---------------------|-----------|-------|-----------|
| 446.3 6 | 1.8 4 | 446.3 | $5/2^+$ | 0.0 | $7/2^+$ |
| 480.9 6 | 3.3 7 | 491.5 | | 10.6 | $5/2^+$ |
| 761.4 7 | 0.8 2 | 761.4 | $11/2^+$ | 0.0 | $7/2^+$ |
| 824.6 6 | 0.9 2 | 834.7 | $9/2^+$ | 10.6 | $5/2^+$ |
| 834.7 6 | 1.7 3 | 834.7 | $9/2^+$ | 0.0 | $7/2^+$ |




† Intensity per 100 μ^- captures.

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Level Scheme

Intensities: Intensity per 100 μ^{-} captures

Legend

-  $I_{\gamma} < 2\% \times I_{\gamma}^{max}$
-  $I_{\gamma} < 10\% \times I_{\gamma}^{max}$
-  $I_{\gamma} > 10\% \times I_{\gamma}^{max}$

