

$^{173}\text{Yb}(^{24}\text{Mg},\text{F}\gamma)$ 2000Fo10

| Type | Author | History Citation | Literature Cutoff Date |
|-----------------|--------------|----------------------|------------------------|
| Full Evaluation | Jean Blachot | NDS 113, 2391 (2012) | 1-Sep-2012 |

E=134.5 MeV. Measured E_γ , and I_γ using the GAMMASPHERE with 92 Compton-suppressed large volume HPGe detectors.

 ^{115}Cd Levels

| E(level) | J^π [†] | $T_{1/2}$ | Comments |
|------------------------|----------------------|-----------|---|
| 0 | $1/2^+$ | | |
| 181.0 [‡] | $(11/2)^-$ | 44.56 d | Additional information 1. |
| 700.30 [‡] 20 | $(15/2)^-$ | | |
| 1477.6 [‡] 3 | $(19/2)^-$ | | |
| 2396.6 [‡] 7 | $(23/2)^-$ | | |
| 3187.0 [‡] 11 | $(27/2)^-$ | | |
| 3831.7 [‡] 14 | $(31/2)^-$ | | |

[†] J^π (g.s. and 181) from Adopted Levels, others from band assignment.

[‡] Band(A): $\nu h_{11/2}$ sequence.

 $\gamma(^{115}\text{Cd})$

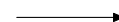


| E_γ | I_γ | $E_i(\text{level})$ | J_i^π | E_f | J_f^π |
|------------|------------|---------------------|------------|--------|------------|
| 519.3 2 | 100 | 700.30 | $(15/2)^-$ | 181.0 | $(11/2)^-$ |
| 644.7 8 | 6.5 10 | 3831.7 | $(31/2)^-$ | 3187.0 | $(27/2)^-$ |
| 777.3 2 | 73 7 | 1477.6 | $(19/2)^-$ | 700.30 | $(15/2)^-$ |
| 790.4 8 | 9.4 15 | 3187.0 | $(27/2)^-$ | 2396.6 | $(23/2)^-$ |
| 919.0 6 | 19 4 | 2396.6 | $(23/2)^-$ | 1477.6 | $(19/2)^-$ |

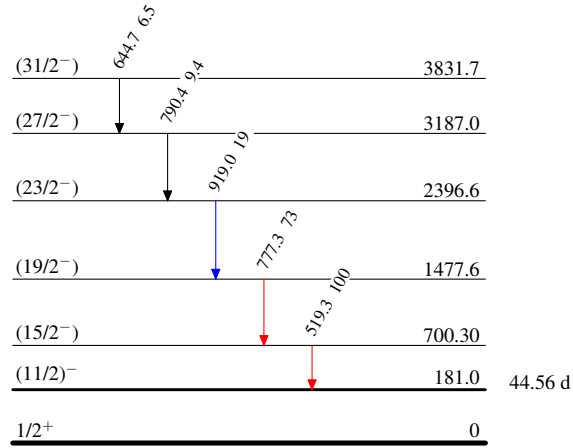
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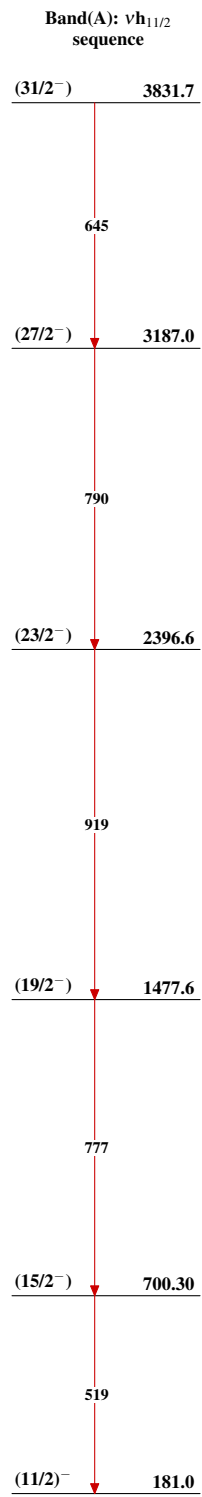
Level Scheme

Intensities: Relative I_γ

Legend

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

 $^{115}_{48}\text{Cd}_{67}$

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