

$^{208}\text{Pb}(^{18}\text{O},\text{F}\gamma)$  2000Fo10

| Type            | History      |          | Literature Cutoff Date |
|-----------------|--------------|----------|------------------------|
|                 | Author       | Citation |                        |
| Full Evaluation | Jean Blachot | ENSDF    | 1-Mar-2009             |

E=91 MeV. Measured  $E_\gamma$ , and  $I_\gamma$  using Gammasphere with 92 Compton-suppressed large volume HPGe detectors.  
Also in XUNDL.

 $^{117}\text{Cd}$  Levels

| E(level)               | $J^\pi$    | $T_{1/2}$ | Comments                                  |
|------------------------|------------|-----------|-------------------------------------------|
| 0                      | $1/2^+$    |           |                                           |
| 136.4 <sup>†</sup>     | $(11/2)^-$ | 3.36 h    | <a href="#">Additional information 1.</a> |
| 639.40 <sup>†</sup> 20 | $(15/2^-)$ |           |                                           |
| 1367.0 <sup>†</sup> 3  | $(19/2^-)$ |           |                                           |
| 2198.7 <sup>†</sup> 5  | $(23/2^-)$ |           |                                           |
| 2937.2 <sup>†</sup> 8  | $(27/2^-)$ |           |                                           |
| 3644.0 <sup>†</sup> 10 | $(31/2^-)$ |           |                                           |
| 4538.9 <sup>†</sup> 13 | $(35/2^-)$ |           |                                           |

<sup>†</sup> Band(A):  $\nu h_{11/2}$  sequence.

 $\gamma(^{117}\text{Cd})$ 

| $E_\gamma$ | $I_\gamma$ | $E_i(\text{level})$ | $J_i^\pi$  | $E_f$  | $J_f^\pi$  |
|------------|------------|---------------------|------------|--------|------------|
| 503.0 2    | 100        | 639.40              | $(15/2^-)$ | 136.4  | $(11/2)^-$ |
| 706.8 6    | 17 4       | 3644.0              | $(31/2^-)$ | 2937.2 | $(27/2^-)$ |
| 727.6 2    | 90 10      | 1367.0              | $(19/2^-)$ | 639.40 | $(15/2^-)$ |
| 738.5 6    | 25 6       | 2937.2              | $(27/2^-)$ | 2198.7 | $(23/2^-)$ |
| 831.7 4    | 46 8       | 2198.7              | $(23/2^-)$ | 1367.0 | $(19/2^-)$ |
| 894.9 8    | 5.7 10     | 4538.9              | $(35/2^-)$ | 3644.0 | $(31/2^-)$ |

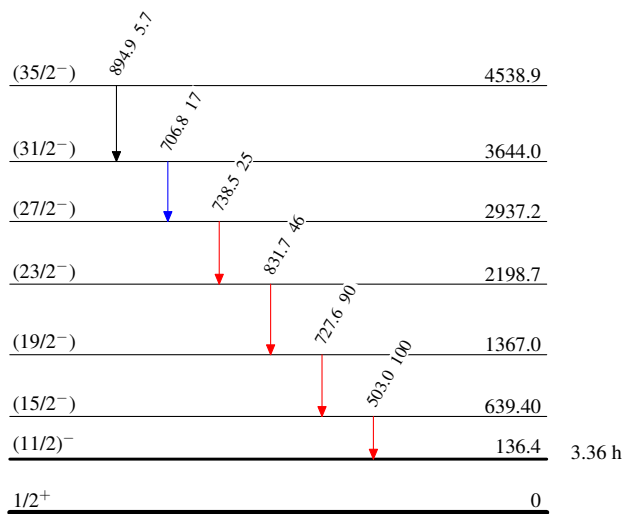
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## Level Scheme

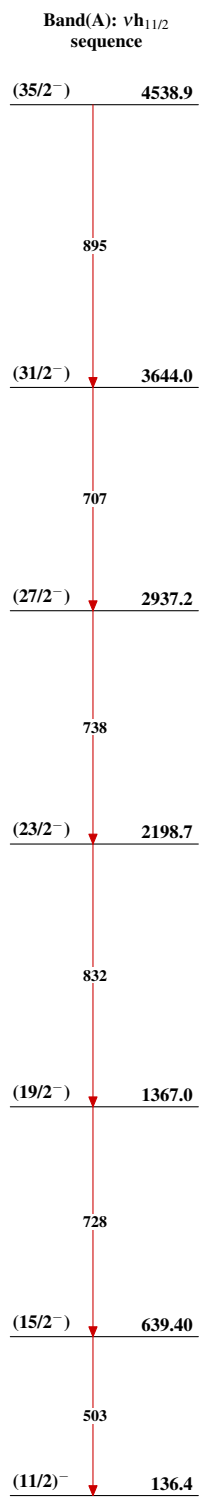
 Intensities: Relative  $I_\gamma$ 

## Legend

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


 $^{117}_{48}\text{Cd}_{69}$

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 $^{117}_{48}\text{Cd}_{69}$