

$^{132}\text{Xe}(\gamma,\gamma)$     **1961Ha36**

| Type            | Author                                                   | History | Citation            | Literature Cutoff Date |
|-----------------|----------------------------------------------------------|---------|---------------------|------------------------|
| Full Evaluation | Yu. Khazov, A. A. Rodionov and S. Sakharov, Balraj Singh |         | NDS 104, 497 (2005) | 10-Feb-2005            |

**1961Ha36**: The resonant scattering 667 keV  $\gamma$  in  $^{132}\text{Xe}$  measured; 667 $\gamma$  from  $^{132}\text{I}$  decay; 12.5 L of Xe gas at standard conditions was solidified; 65g of iodine crystals used for control. NaI(Tl) detector.

 $^{132}\text{Xe}$  Levels

| E(level) | $J^\pi$ <sup>†</sup> | $T_{1/2}$ | Comments                                                  |
|----------|----------------------|-----------|-----------------------------------------------------------|
| 0.0      | 0 <sup>+</sup>       |           |                                                           |
| 667      | 2 <sup>+</sup>       | 6.7 ps 20 | $T_{1/2}$ : from $\Gamma_\gamma=6.8\times 10^{-5}$ eV 20. |

<sup>†</sup> From Adopted Levels.

 $\gamma(^{132}\text{Xe})$ 

| $E_\gamma$ | $E_i(\text{level})$ | $J_i^\pi$      | $E_f$ | $J_f^\pi$      |
|------------|---------------------|----------------|-------|----------------|
| 667        | 667                 | 2 <sup>+</sup> | 0.0   | 0 <sup>+</sup> |

 $^{132}\text{Xe}(\gamma,\gamma)$     **1961Ha36**Level Scheme