

$^{232}\text{Th}(^6\text{Li},\text{F}\gamma)$  2010Re01

| Type            | Author                | History | Citation           | Literature Cutoff Date |
|-----------------|-----------------------|---------|--------------------|------------------------|
| Full Evaluation | E. Browne, J. K. Tuli |         | NDS 145, 25 (2017) | 1-Jul-2017             |

A target of  $^{232}\text{Th}$  was bombarded with a 45-MeV beam of  $^6\text{Li}$  ions. Emitted particles and fission fragments were detected with detector arrays. Detected particles were correlated with  $\gamma$  rays.

 $^{99}\text{Y}$  Levels

| E(level) | $J^\pi$ †            | $T_{1/2}$           | Comments                         |
|----------|----------------------|---------------------|----------------------------------|
| 0.0      | (5/2 <sup>+</sup> )  |                     |                                  |
| 125      | (7/2 <sup>+</sup> )  |                     |                                  |
| 1655     | (11/2 <sup>+</sup> ) |                     |                                  |
| 1869     | (13/2 <sup>+</sup> ) |                     |                                  |
| 2142     | (17/2 <sup>+</sup> ) | 8.6 $\mu\text{s}$ 8 | $T_{1/2}$ : From Adopted Levels. |

† From Adopted Levels.

 $\gamma(^{99}\text{Y})$ 

| $E_\gamma$ | $E_i(\text{level})$ | $J_i^\pi$            | $E_f$ | $J_f^\pi$            |
|------------|---------------------|----------------------|-------|----------------------|
| 125        | 125                 | (7/2 <sup>+</sup> )  | 0.0   | (5/2 <sup>+</sup> )  |
| 214        | 1869                | (13/2 <sup>+</sup> ) | 1655  | (11/2 <sup>+</sup> ) |
| 273        | 2142                | (17/2 <sup>+</sup> ) | 1869  | (13/2 <sup>+</sup> ) |
| 1530       | 1655                | (11/2 <sup>+</sup> ) | 125   | (7/2 <sup>+</sup> )  |

 $^{232}\text{Th}(^6\text{Li},\text{F}\gamma)$  2010Re01Level Scheme