

$^{186}\text{W}(\text{n},4\text{p}17\text{n}\gamma)$  2000Ya22

| <u>Type</u>     | <u>Author</u>   | <u>History</u><br><u>Citation</u> | <u>Literature Cutoff Date</u> |
|-----------------|-----------------|-----------------------------------|-------------------------------|
| Full Evaluation | Coral M. Baglin | NDS 109, 1103 (2008)              | 1-Mar-2008                    |

E=250-600 MeV from LANSCE/WNR spallation neutron source; 4 HPGE detectors in close geometry; measured  $E\gamma$ ,  $\gamma\gamma$  coin.

 $^{166}\text{Yb}$  Levels

| <u>E(level)<sup>†</sup></u> | <u>J<sup>π</sup><sup>‡</sup></u> |
|-----------------------------|----------------------------------|
| 102 <sup>#</sup>            | 2 <sup>+</sup>                   |
| 330 <sup>#</sup>            | 4 <sup>+</sup>                   |
| 667 <sup>#</sup>            | 6 <sup>+</sup>                   |
| 1097 <sup>#</sup>           | 8 <sup>+</sup>                   |
| 1604 <sup>#</sup>           | 10 <sup>+</sup>                  |
| 2173 <sup>#</sup>           | 12 <sup>+</sup>                  |
| 2777 <sup>#</sup>           | 14 <sup>+</sup>                  |

<sup>†</sup> From  $E\gamma$ , assuming adopted value (rounded) for the 2<sup>+</sup> level.

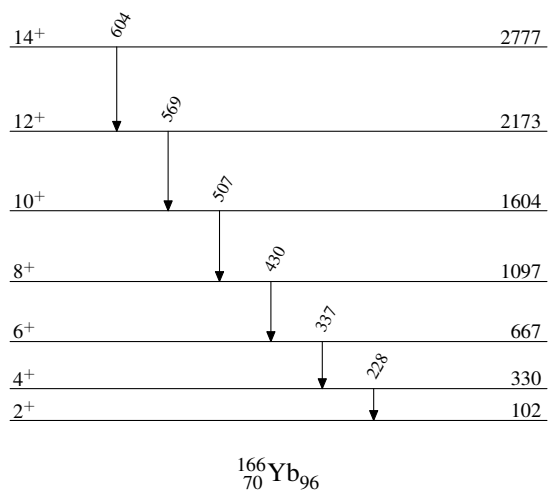
<sup>‡</sup> From Adopted Levels.

<sup>#</sup> Band(A):  $K^\pi=0^+$  g.s. band.

 $\gamma(^{166}\text{Yb})$ 

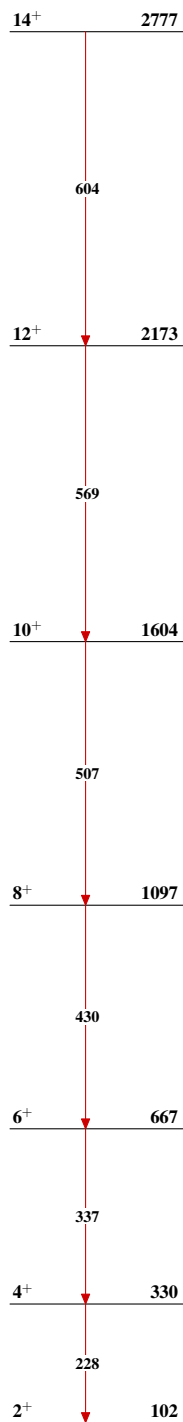
| <u>E<sub><math>\gamma</math></sub><sup>†</sup></u> | <u>E<sub>i</sub>(level)</u> | <u>J<sub>i</sub><sup>π</sup></u> | <u>E<sub>f</sub></u> | <u>J<sub>f</sub><sup>π</sup></u> |
|----------------------------------------------------|-----------------------------|----------------------------------|----------------------|----------------------------------|
| 228                                                | 330                         | 4 <sup>+</sup>                   | 102                  | 2 <sup>+</sup>                   |
| 337                                                | 667                         | 6 <sup>+</sup>                   | 330                  | 4 <sup>+</sup>                   |
| 430                                                | 1097                        | 8 <sup>+</sup>                   | 667                  | 6 <sup>+</sup>                   |
| 507                                                | 1604                        | 10 <sup>+</sup>                  | 1097                 | 8 <sup>+</sup>                   |
| 569                                                | 2173                        | 12 <sup>+</sup>                  | 1604                 | 10 <sup>+</sup>                  |
| 604                                                | 2777                        | 14 <sup>+</sup>                  | 2173                 | 12 <sup>+</sup>                  |

<sup>†</sup> From fig. 2 of 2000Ya22.

$^{186}\text{W}(\text{n},4\text{p}17\text{n}\gamma)$  2000Ya22Level Scheme

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Band(A):  $\text{K}^\pi=0^+$  g.s.  
band


 $^{166}_{70}\text{Yb}_{96}$