

$^{124}\text{Sn}(\text{p},\text{p}'\gamma)$     [1981Jo03,1981Ba05](#)

| Type            | Author                | History              | Citation | Literature Cutoff Date |
|-----------------|-----------------------|----------------------|----------|------------------------|
| Full Evaluation | J. Katakura, Z. D. Wu | NDS 109, 1655 (2008) |          | 1-Apr-2008             |

[1981Ba05](#): E not given; measured  $I_\gamma$ ,  $E_\gamma$ .

[1981Jo03](#):  $E(\text{p})=6\text{-}8$  MeV; semi  $\text{p}'\gamma$ ;  $\text{p}'\gamma$  coin.

 $^{124}\text{Sn}$  Levels

| <u><math>E(\text{level})^\ddagger</math></u> | <u><math>J^\pi^\dagger</math></u> | Comments                                                                              |
|----------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------|
| 0.0                                          | $0^+$                             |                                                                                       |
| 1131.5 <i>10</i>                             | $2^+$                             |                                                                                       |
| 2129.3 <i>15</i>                             | $2^+$                             | $J^\pi$ : ( $0^+$ ) in <a href="#">1981Jo03</a> , but the assignment is questionable. |
| 2686.7 <i>15</i>                             | $0^+$                             |                                                                                       |

$^\dagger$  From Adopted Levels, unless otherwise noted.

$^\ddagger$  From [1981Jo03](#).

 $\gamma(^{124}\text{Sn})$ 

| <u><math>E_\gamma^\dagger</math></u> | <u><math>E_i(\text{level})</math></u> | <u><math>J_i^\pi</math></u> | <u><math>E_f</math></u> | <u><math>J_f^\pi</math></u> | Comments                                     |
|--------------------------------------|---------------------------------------|-----------------------------|-------------------------|-----------------------------|----------------------------------------------|
| 997.8                                | 2129.3                                | $2^+$                       | 1131.5                  | $2^+$                       |                                              |
| 1131.5                               | 1131.5                                | $2^+$                       | 0.0                     | $0^+$                       | $E_\gamma$ : from <a href="#">1981Jo03</a> . |
| 1555.2                               | 2686.7                                | $0^+$                       | 1131.5                  | $2^+$                       |                                              |

$^\dagger$  From [1981Ba05](#), unless otherwise noted.

$^{124}\text{Sn}(\text{p},\text{p}'\gamma)$  1981Jo03,1981Ba05Level Scheme