

$^{124}\text{Sn}(^{136}\text{Xe},\text{X}\gamma),(^{238}\text{U},\text{X}\gamma)$  **2000Zh47**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	H. Imura, J. Katakura, S. Ohya		NDS 180, 1 (2022)	1-Oct-2021

**2000Zh47:**  $^{124}\text{Sn} + 665 \text{ MeV } ^{136}\text{Xe}$  and  $^{124}\text{Sn} + 1324 \text{ MeV } ^{238}\text{U}$ . Measured prompt and delayed  $\gamma$ .  $T_{1/2}$  of  $(10^+)$  state was measured.

 $^{126}\text{Sn}$  Levels

E(level) <sup>‡</sup>	J <sup>π</sup> <sup>†</sup>	T <sub>1/2</sub>
0.0	0 <sup>+</sup>	
1141.0	2 <sup>+</sup>	
2049.0	4 <sup>+</sup>	
2161.0	5 <sup>-</sup>	
2218.0	7 <sup>-</sup>	
2487.0	(8 <sup>+</sup> )	
2563.3	(10 <sup>+</sup> )	7.7 $\mu\text{s}$ 5

<sup>†</sup> (8<sup>+</sup>) and (10<sup>+</sup>) states are from systematics. Others are from Adopted Levels.

<sup>‡</sup> From a least-squares adjustment with the assumption that all the  $E_\gamma$  values except 76.3-keV  $\gamma$  have the same uncertainty of 1 keV.

 $\gamma(^{126}\text{Sn})$ 

E <sub><math>\gamma</math></sub>	E <sub>i</sub> (level)	J <sub>i</sub> <sup><math>\pi</math></sup>	E <sub>f</sub>	J <sub>f</sub> <sup><math>\pi</math></sup>
57	2218.0	7 <sup>-</sup>	2161.0	5 <sup>-</sup>
76.3 5	2563.3	(10 <sup>+</sup> )	2487.0	(8 <sup>+</sup> )
112	2161.0	5 <sup>-</sup>	2049.0	4 <sup>+</sup>
269	2487.0	(8 <sup>+</sup> )	2218.0	7 <sup>-</sup>
908	2049.0	4 <sup>+</sup>	1141.0	2 <sup>+</sup>
1141	1141.0	2 <sup>+</sup>	0.0	0 <sup>+</sup>

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## Level Scheme

