

$^{176}\text{Hf}(n,\gamma)$  E=thermal 1967Pr08

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 159,1 (2019)	30-Aug-2019

 $^{177}\text{Hf}$  Levels

E(level) <sup>†</sup>	J <sup>π</sup> <sup>‡</sup>	T <sub>1/2</sub>
0.0	7/2 <sup>-</sup>	stable
112.92 10	9/2 <sup>-</sup>	
508.46 22	5/2 <sup>-</sup>	
623.0 7	(3/2 <sup>-</sup> )	

<sup>†</sup> From a least-squares fit to E<sub>γ</sub>.

<sup>‡</sup> From Adopted Levels.

γ( $^{177}\text{Hf}$ )

E <sub>γ</sub> <sup>†</sup>	E <sub>i</sub> (level)	J <sub>i</sub> <sup>π</sup>	E <sub>f</sub>	J <sub>f</sub> <sup>π</sup>	Mult.	Comments
112.9 1	112.92	9/2 <sup>-</sup>	0.0	7/2 <sup>-</sup>	M1+E2	ce(L2)=35 Mult.: From L2:L3:M23:N=35:23:22:5.
<sup>x</sup> 337.5 2						ce(K)<5
<sup>x</sup> 339.5 3						ce(K)<5
<sup>x</sup> 349.0 3						ce(K)<5
<sup>x</sup> 357.4 2						ce(K)=9
<sup>x</sup> 367.4 3						ce(K)<5
395.4 3	508.46	5/2 <sup>-</sup>	112.92	9/2 <sup>-</sup>		ce(K)=7
<sup>x</sup> 398.7 4						ce(K)<5
<sup>x</sup> 403.3 4						ce(K)<5
508.6 3	508.46	5/2 <sup>-</sup>	0.0	7/2 <sup>-</sup>	M1+E2	ce(K)=100 Mult.: From K:L12:M=100:18:8.
<sup>x</sup> 510.4 5						ce(K)=11
<sup>x</sup> 619.1 7						ce(K)=5
623.0 7	623.0	(3/2 <sup>-</sup> )	0.0	7/2 <sup>-</sup>		ce(K)=5

<sup>†</sup> From 1967Pr08.

<sup>x</sup> γ ray not placed in level scheme.

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## Level Scheme

