

Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 110,507 (2009)	1-Oct-2008

$Q(\beta^-) = -1.15 \times 10^4$  syst;  $S(n) = 1.05 \times 10^4$  syst;  $S(p) = 1.76 \times 10^3$  syst;  $Q(\alpha) = 3.9 \times 10^3$  syst [2012Wa38](#)

Note: Current evaluation has used the following Q record -11810 SY10860 syst 1780 syst 3200 syst [2003Au03](#).

<sup>145</sup>Er Levels

Cross Reference (XREF) Flags

- A <sup>146</sup>Tm p decay (68 ms)
- B <sup>146</sup>Tm p decay (198 ms)

E(level)	J <sup>π</sup>	T <sub>1/2</sub>	XREF	Comments
0	(1/2 <sup>+</sup> )		A	J <sup>π</sup> : configuration =(n,s1/2).
175	(3/2 <sup>+</sup> )		A	J <sup>π</sup> : configuration=(n,s1/2)⊗2 <sup>+</sup> , L=3(+5) p transition from <sup>146</sup> Tm 5 <sup>-</sup> , g.s.
253	(11/2 <sup>-</sup> )	0.9 s 3	AB	%ε+%β <sup>+</sup> =100; %εp=? T <sub>1/2</sub> : from <a href="#">1989Vi02</a> . 0.7 s ( <a href="#">2006Ta08</a> ). Observed delayed protons in coin with Ho K x ray and known 2 <sup>+</sup> to 0 <sup>+</sup> and 4 <sup>+</sup> to 2 <sup>+</sup> γ's in <sup>144</sup> Dy ( <a href="#">1989Vi02</a> ). No γ's associated with ε decay were observed ( <a href="#">1989Vi06</a> ) level previously assigned as the g.s.. Other: <a href="#">1988WiZN</a> .
484	(13/2 <sup>-</sup> )		B	J <sup>π</sup> : configuration=(ν h <sub>11/2</sub> ), L=0 p transition from <sup>146</sup> Tm 5 <sup>-</sup> , g.s. J <sup>π</sup> : configuration=(n,h11/2)⊗2 <sup>+</sup> ,L=3 p transition from <sup>146</sup> Tm 10 <sup>+</sup> , isomer.