

$^{165}\text{Ho}(\pi^-, 9n\gamma)$ **1975Eb06**

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	C. W. Reich	NDS 113, 2537 (2012)	1-Mar-2012

Data from nuclear absorption of bound π^- .

[Additional information 1.](#)

^{156}Dy Levels

<u>E(level)</u>	<u>$J\pi^\dagger$</u>	<u>Comments</u>
0	0^+	
137.83 7	2^+	
404.18 9	4^+	
770.43 12	6^+	
1215.89 15	8^+	
1725.13	10^+	E(level): From ^{156}Dy Adopted Levels.
2288	12^+	

† From the adopted values.

$\gamma(^{156}\text{Dy})$

<u>E_γ</u>	<u>$I_\gamma^\dagger$</u>	<u>$E_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>	<u>Comments</u>
137.83 7	7.3 4	137.83	2^+	0	0^+	
266.35 6	8.2 8	404.18	4^+	137.83	2^+	
366.25 8	4.9 4	770.43	6^+	404.18	4^+	
445.46 9	3.6 6	1215.89	8^+	770.43	6^+	
≈ 510		1725.13	10^+	1215.89	8^+	E_γ : Value assigned by evaluator; peak is under that of the annihilation radiation.
563 1	1.8 7	2288	12^+	1725.13	10^+	

† γ 's per 100 captured π^- 's.

$^{165}\text{Ho}(\pi^-, 9n\gamma)$ 1975Eb06

Level Scheme

Intensities: γ transitions per 100 captured π^- 's.

Legend

- $I_\gamma < 2\% \times I_\gamma^{\max}$
→ $I_\gamma < 10\% \times I_\gamma^{\max}$
→ $I_\gamma > 10\% \times I_\gamma^{\max}$

