

$^{148}\text{Cs} \beta^-$  decay **1986Hi08**

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	N. Nica	NDS 117, 1 (2014)	1-Oct-2013

Parent:  $^{148}\text{Cs}$ :  $E=0.0$ ;  $T_{1/2}=146$  ms 6;  $Q(\beta^-)=1.030 \times 10^4$  58;  $\% \beta^-$  decay=100.0  
 Measured:  $E_\gamma$ ,  $I_\gamma$ ,  $\gamma\gamma$  coin,  $T_{1/2}$ .

 $^{148}\text{Ba}$  Levels

<u>E(level)</u>	<u><math>J^\pi</math>†</u>
0.0	$0^+$
141.7	$2^+$
423.1	$4^+$
687.2	$1^-$
775.0	$(3^-)$
1049.2	$2^+$

† Adopted values.

 $\gamma(^{148}\text{Ba})$ 

<u><math>E_\gamma</math></u>	<u><math>I_\gamma</math>†</u>	<u><math>E_i</math>(level)</u>	<u><math>J_i^\pi</math></u>	<u><math>E_f</math></u>	<u><math>J_f^\pi</math></u>
141.7	100	141.7	$2^+$	0.0	$0^+$
281.4	18	423.1	$4^+$	141.7	$2^+$
351.9	4	775.0	$(3^-)$	423.1	$4^+$
545.5	20	687.2	$1^-$	141.7	$2^+$
626.1	1.5	1049.2	$2^+$	423.1	$4^+$
633.2	19	775.0	$(3^-)$	141.7	$2^+$
687.2	23	687.2	$1^-$	0.0	$0^+$
907.5	6	1049.2	$2^+$	141.7	$2^+$
1049.1	7	1049.2	$2^+$	0.0	$0^+$

† Relative intensity.

$^{148}\text{Cs}$   $\beta^-$  decay 1986Hi08

## Decay Scheme

Intensities: Type not specified

Legend

