

$^{96}\text{Ru}(p,\gamma)$ 2007SeZW

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 111, 525 (2010)	19-Nov-2009

2007SeZW: E=4.0-6.5 MeV. Data listed below are from $E_p=6.0$ MeV.

 ^{97}Rh Levels

E(level) [†]	J^π [‡]	$T_{1/2}$ [#]	Comments
0.0	9/2 ⁺	30.7 min 6	
258.8 10	1/2 ⁻	46.2 min 16	2007SeZW show 5% isomeric branching ratio (most likely from literature).
265.42 18	7/2 ⁺		
475.08 18	5/2 ⁺		
845.3 11	1/2 ⁺		J^π : based on calculations.
849.6 11	5/2 ⁻		
1058.1 3	5/2 ⁺		

[†] From least squares fit to E_γ .

[‡] From 2007SeZW. Except for 845 level, which is based on calculations, all the other values are presumably from literature (the source is not clear) and can differ from values assigned in the Adopted Levels, Gammas dataset.

[#] ADOPTED values.

 $\gamma(^{97}\text{Rh})$

E_γ	I_γ [†]	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Comments
209.6 3	7 2	475.08	5/2 ⁺	265.42	7/2 ⁺	
(258.8)		258.8	1/2 ⁻	0.0	9/2 ⁺	γ only marked on level scheme As decaying 259.
265.4 2	120 20	265.42	7/2 ⁺	0.0	9/2 ⁺	
475.1 2	100	475.08	5/2 ⁺	0.0	9/2 ⁺	
586.5 2	70 15	845.3	1/2 ⁺	258.8	1/2 ⁻	
590.8 2	64 15	849.6	5/2 ⁻	258.8	1/2 ⁻	
792.7 2	35 10	1058.1	5/2 ⁺	265.42	7/2 ⁺	

[†] Relative units.

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Legend

Level Scheme

Intensities: Relative I_γ

- ▶ $I_\gamma < 2\% \times I_\gamma^{\max}$
- ▶ $I_\gamma < 10\% \times I_\gamma^{\max}$
- ▶ $I_\gamma > 10\% \times I_\gamma^{\max}$
- - - - -▶ γ Decay (Uncertain)

