

^{96}Rh IT decay (1.51 min) [1975Gu01](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni		NDS 109, 2501 (2008)	1-Apr-2008

Parent: ^{96}Rh : E=52.0 *I*; $J^\pi=3^+$; $T_{1/2}=1.51$ min 2; %IT decay=60 5

^{96}Rh -%IT decay: %IT=60 5 deduced from the intensities of the 1.5-min γ 's and the growth in the 9.9-min γ 's of daughter ^{96}Ru .

Measured: γ , K x ray. Deduced $\alpha(\text{K})_{\text{exp}}$.

α : [Additional information 1](#).

 ^{96}Rh Levels

E(level)	J^π [†]	$T_{1/2}$ [†]	Comments
0	6 ⁺	9.90 min 10	
52.0 <i>I</i>	3 ⁺	1.51 min 2	E(level): from E_γ .

[†] Adopted values.

 $\gamma(^{96}\text{Rh})$

E_γ	I_γ [†]	$E_i(\text{level})$	J^π_i	E_f	J^π_f	Mult.	α	Comments
52.0 <i>I</i>	100	52.0	3 ⁺	0	6 ⁺	M3	640 11	$\alpha(\text{K})_{\text{exp}}=350$ 90 $\alpha(\text{K})=374$ 6; $\alpha(\text{L})=214$ 4; $\alpha(\text{M})=44.4$ 8; $\alpha(\text{N})=7.00$ 13; $\alpha(\text{O})=0.182$ 4; $\alpha(\text{N}+..)=7.18$ 13 Mult.: from $\alpha(\text{K})_{\text{exp}}$.

[†] For absolute intensity per 100 decays, multiply by 9.4×10^{-4} 8.

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Decay Scheme

Intensities: I_(γ+ce) per 100 parent decays
%IT=60 5

