

$^{104}\text{Ru}(^{18}\text{O}, ^{16}\text{O}\gamma)$  1981Ko30

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. De Frenne and A. Negret		NDS 109, 943 (2008)	1-May-2007

Elab( $^{18}\text{O}$ )=84 and 100 MeV,  $\theta=34^\circ$  and  $30^\circ$ . Measured: particle- $\gamma$ ; deduced:  $^{106}\text{Ru}$  levels;  $J^\pi$ .

 $^{106}\text{Ru}$  Levels

E(level)	$J^\pi$ †
0.0	$0^+$
270.07 6	$2^+$
714.7 7	$(4^+)$
792.0 7	$2^+$
1091.4	$(3^+)$
1295.8	$(6^+)$ ‡
1973.4	$(8^+)$ ‡

† From Adopted Levels.

‡ Suggested from DWBA calculations.

 $\gamma(^{106}\text{Ru})$ 

$E_\gamma$ †	$I_\gamma$ ‡	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$
270.07 6	100	270.07	$2^+$	0.0	$0^+$
444.7 7	40 7	714.7	$(4^+)$	270.07	$2^+$
522.4 3	15 5	792.0	$2^+$	270.07	$2^+$
581.1 2	10 4	1295.8	$(6^+)$	714.7	$(4^+)$
677.6 4		1973.4	$(8^+)$	1295.8	$(6^+)$
792.0 7	13 5	792.0	$2^+$	0.0	$0^+$
821.3 3		1091.4	$(3^+)$	270.07	$2^+$

† From Adopted Levels.

‡ Measured for excitation energy range between 4.0-6.8 MeV. For other excitations see 1981Ko30.

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## Level Scheme

Intensities: Type not specified

## Legend

- $\blackrightarrow$   $I_\gamma < 2\% \times I_\gamma^{\max}$
- $\color{blue}\blackrightarrow$   $I_\gamma < 10\% \times I_\gamma^{\max}$
- $\color{red}\blackrightarrow$   $I_\gamma > 10\% \times I_\gamma^{\max}$

