

Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 111,717 (2010)	1-Dec-2009

$Q(\beta^-)=9.09\times 10^3$ 8; $S(n)=4.58\times 10^3$ 8; $S(p)=1.172\times 10^4$ 10; $Q(\alpha)=-7.91\times 10^3$ 7 [2012Wa38](#)

Note: Current evaluation has used the following Q record $9.19\text{E}+3$ 154600 $1610.160\text{e}^+419-7.16\text{e}^+318$ [2003Au03,2009AuZZ](#).

The nuclide was first produced from spontaneous fission of ^{252}Cf with A and Z assignment based on K x-rays and conversion electrons; see [1970Wa05](#), [1971Ho29](#).

Identified with ms. IGISOL ([1987AyZW](#)).

 ^{116}Rh Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	1^+	0.68 s 6	$\% \beta^- = 100$ $T_{1/2}$: from 1988Ay02 . Other: 688 ms +52-50 (2006Mo07). J^π : from $\log ft=5.7$ to 0^+ .
150 <i>syst</i>	(6^-)	0.57 s 5	$\% \beta^- = 100$ E(level): An excitation energy of 150 keV derived from systematics (1997Au04). $T_{1/2}$: from 2001Wa04 , supersedes 1988Ay02 (same group). J^π : $\log ft=5.8$ to (6^+) no feeding to levels with $J \leq 4$.