

Adopted Levels

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. M. Symochko, E. Browne, J. K. Tuli		NDS 110,2945 (2009)	1-Dec-2008

$Q(\beta^-)=8585$ 13; $S(n)=6.01\times 10^3$ 3; $S(p)=1.29\times 10^4$ *syst*; $Q(\alpha)=-9.34\times 10^3$ *syst* [2012Wa38](#)

Note: Current evaluation has used the following Q record 8383 SY6171 SY12608 *syst*-8554 *syst* [2009AuZZ,2003Au03](#).

[1994Be24](#): Fully stripped isotope produced in $\text{Pb}(^{238}\text{U},f)$ reaction at 750 MeV/nucleon. Identified by event-by-event measurements of energy loss, ToF and magnetic rigidity.

[2006Mo07](#): Isotope produced in $\text{Be}(^{136}\text{Xe},f)$ reaction at 121.8 MeV/nucleon. The secondary beam from the A1900 fragment separator was implanted into a β -decay arrangement consisting of Si(PIN) detectors and Si strip detectors (DSSD) and single-sided Si strip detectors (SSSD). Implantation and decay events were time stamped and correlated. Some of the results from [2006Mo07](#) were published also in [2005Mo30](#) and in a thesis ([2006ToZW](#)).

 ^{119}Rh Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	(7/2 ⁺)	171 ms 18	$\% \beta^- = 100$; $\% \beta^- n = 6.4$ 16 $T_{1/2}$: from $\beta(t)$ in (2006Mo07). Other: 190 10 ms from (2006ToZW). J^π : from systematics of odd Rh nuclei. $\% \beta^- n$: from β -n coincidence in (2006Mo07).