

$^{264}\text{Bh}$   $\alpha$  decay

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Y. A. Akovali	NDS 87, 301 (1999)	1-Oct-1998

Parent:  $^{264}\text{Bh}$ :  $E=0.0$ ;  $T_{1/2}=0.44$  s  $+60-16$ ;  $Q(\alpha)=9967$  SY; % $\alpha$  decay $\leq 100.0$

$T_{1/2}(^{264}\text{Bh})=440 +600-160$  ms was recommended by [1995Ho04](#) from  $T_{1/2}(9475\alpha)=98$  ms,  $T_{1/2}(9619\alpha)=334$  ms and

$T_{1/2}(9619\alpha)=1452$  ms, measured by them.

$\alpha$  decay branching has not been determined; only the  $\alpha$  decay mode of  $^{264}\text{Bh}$  has been observed. See ' $^{264}\text{Bh}$  Adopted Levels' for calculated partial half-lives for  $\alpha$ ,  $\beta$  and SF decays.

$Q(\alpha)(^{264}\text{Bh})=9967$  151 is recommended by [1995Au04](#) from their  $Q(\alpha)$  systematics.

 $^{260}\text{Db}$  Levels

$E(\text{level})^\dagger$

0.0

$\approx 200$

$\approx 346$

$^\dagger$  Calculated from  $Q(\alpha)\approx 9967$  and  $E\alpha$ 's.

 $\alpha$  radiations

$E\alpha^\dagger$      $E(\text{level})$

9475 20     $\approx 346$

9619 20     $\approx 200$

$^\dagger$  Measured by [1995Ho04](#).