

$^{114}\text{Ba}$   $\varepsilon$  decay (0.43 s)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 113, 515 (2012)	1-Jan-2012

Parent:  $^{114}\text{Ba}$ :  $E=0$ ;  $J^\pi=0^+$ ;  $T_{1/2}=0.43$  s +30-15;  $Q(\varepsilon)=8.6\times 10^3$  eV;  $\% \varepsilon + \% \beta^+$  decay=99.1 %

$^{114}\text{Ba}$ - $T_{1/2}$ : From [1997Ja12](#).

$^{114}\text{Ba}$ - $Q(\varepsilon)$ : 8.72E+3 eV ([2011AuZZ](#)).

$^{114}\text{Ba}$ - $\% \varepsilon + \% \beta^+$  decay:  $\% \varepsilon + \% \beta^+ = 99.1$  % ([2002Ma19](#)),  $\% \alpha = 0.9$  % ([2002Ma19](#)),  $\% \varepsilon p = 20$  % ([1997Ja12](#)),  $\% ^{12}\text{C} < 0.0034$  ([1997Gu22](#)).

There is no information available about  $^{114}\text{Ba}$  decay to  $^{114}\text{Cs}$ .

Studies of  $^{12}\text{C}$  and  $\alpha$  decay modes:

[2002Ma19](#) (also [2003Ro08](#), [2003Mb01](#), [2001Ro35](#)):  $\alpha$  decay.

[1997Gu22](#), [1995Gu01](#), [1995Gu01](#):  $^{12}\text{C}$  and  $\alpha$  decay; no evidence found by [1997Gu22](#) for  $^{12}\text{C}$  decay mode.

[1997Ja12](#): Delayed proton decay mode.

[1994Og02](#), [1994Og03](#):  $^{12}\text{C}$  decay.

 $^{114}\text{Cs}$  Levels

E(level)	$J^\pi$	Comments
0	(1 <sup>+</sup> )	It is assumed that $^{114}\text{Ba}$ $\varepsilon$ decay populated the g.s. $J^\pi$ : from 'Adopted Levels'.