

Adopted Levels

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli		NDS 108,681 (2007)	1-Jun-2006

$S(p)=1.24\times 10^3$ *syst*; $Q(\alpha)=7.99\times 10^3$ 5 [2012Wa38](#)

Note: Current evaluation has used the following Q record -6210 SY7390 SY1500 SY7986 50 [1997Mo25](#).

$Q(\alpha)$: From [2003MoZX](#).

[Additional information 1](#).

Activity produced by $^{197}\text{Au}(^{40}\text{Ar},3n)$ $E=188.4$ MeV. ^{234}Bk was identified using a gas-filled recoil separator, and by genetic correlations with daughter nuclides from the α -decay chain. Measured $E_{\alpha}=7850$ keV 50. The data suggested the possible existence of an isomer in ^{234}Bk ([2003MoZX](#), [2003MoZT](#)).

 ^{234}Bk Levels

E(level)	$T_{1/2}$	Comments
0.0	1.4×10^2 s $+14-5$	$\% \alpha \geq 80$; $\% \epsilon \leq 20$ $T_{1/2}$: From 2003MoZX , 2003MoZT . $\% \alpha, \% \epsilon$: From 2003MoZX , 2003MoZT .