

$^{245}\text{Bk}$        $Z = 97$        $N = 148$       adopted link      ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 1839.771 ( 0.002) MeV

Qbeta+ = 0.809 ( 0.002) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-6.454 ( 0.002)				
245BK 1		0.000	3/2-		1 4.95 D 3
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S-p =	3.927 ( 0.002)				
S-n =	6.971 ( 0.015)				
S-2p =	9.939 ( 0.002)				
S-2n =	13.018 ( 0.005)				
S-alpha=	-6.454 ( 0.002)				
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S+p =	-5.013 ( 0.002)				
S+n =	-5.918 ( 0.060)				
S+2p =	-7.813 ( 0.020)				
S+2n =	-12.467 ( 0.005)				
S+alpha =	7.041 ( 0.002)				
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gap p =	-1.086 ( 0.003)				
gap n =	1.053 ( 0.062)				
gap 2p =	2.126 ( 0.020)				
gap 2n =	0.552 ( 0.007)				
gap alpha =	0.587 ( 0.003)				