

$^{233}\text{Ac}$        $Z = 89$        $N = 144$       adopted link      ENSDF link

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

BE      =    1769.680 ( 0.013) MeV

Qbeta- =      2.576 ( 0.013) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-3.215 ( 0.014)				
233AC 1			0.000	(1/2+)	1 143 S 10

S-p      =    6.478 ( 0.016)-----

S-n      =    5.918 ( 0.018)-----

S-2p    =  15.350 ( 0.015)-----

S-2n    =  10.597 ( 0.018)-----

S-alpha= -3.215 ( 0.014)-----

S+p      =  -7.984 ( 0.013)

S+n      =  -4.538 ( 0.019)

S+2p    = -13.597 ( 0.019)

S+2n    = -10.094 ( 0.019)

S+alpha =    3.795 ( 0.018)

gap p    =  -1.506 ( 0.021)

gap n    =    1.380 ( 0.027)

gap 2p   =    1.753 ( 0.024)

gap 2n   =    0.504 ( 0.027)

gap alpha =    0.580 ( 0.023)