

$^{233}\text{Th}$        $Z = 90$        $N = 143$       adopted link      ENSDF link

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

BE      =      1771.474 ( 0.001) MeV

Qbeta- =      1.242 ( 0.002) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-3.745 ( 0.016)				
233TH	1   0.000	1/2+			1 21.83 M 4

S-p      =      7.712 ( 0.013)-----

S-n      =      4.786 ( 0.002)-----

S-2p    =      14.063 ( 0.011)-----

S-2n    =      11.227 ( 0.002)-----

S-alpha= -3.745 ( 0.016)-----

S+p      =      -5.682 ( 0.004)

S+n      =      -6.190 ( 0.003)

S+2p    =      -12.391 ( 0.002)

S+2n    =      -10.857 ( 0.013)

S+alpha =      4.234 ( 0.002)

gap p    =      2.030 ( 0.014)

gap n    =      -1.404 ( 0.004)

gap 2p   =      1.672 ( 0.012)

gap 2n   =      0.370 ( 0.013)

gap alpha =      0.489 ( 0.016)