

$^{236}\text{Th}$        $Z = 90$        $N = 146$       [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 1788.164 ( 0.014) MeV

Qbeta- = 0.921 ( 0.020) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-3.333	( 0.017)	-----		
$^{236}\text{Th}$	1	0.000	0+		1 37.3 M 15
$^{236}\text{Th}$	2			0.048 (2+)	2
$^{236}\text{Th}$	3			0.160 (4+)	3
$^{236}\text{Th}$	4			0.329 (6+)	4
$^{236}\text{Th}$	5			0.553 (8+)	5
$^{236}\text{Th}$	6			0.826 (10+)	6

S-p = 8.391 ( 0.020)-----

S-n = 5.834 ( 0.019)-----

S-2p = 15.253 ( 0.016)-----

S-2n = 10.500 ( 0.014)-----

S-alpha= -3.333 ( 0.017)-----

S+p = -6.017 ( 0.019)

S+n = -4.372 ( 0.021)

S+2p = -13.525 ( 0.014)

S+2n = 0.000 ( 0.000)

S+alpha = 4.035 ( 0.014)

gap p = 2.375 ( 0.027)

gap n = 1.463 ( 0.028)

gap 2p = 1.728 ( 0.021)

gap 2n = 0.000 ( 0.000)

gap alpha = 0.702 ( 0.022)