

^{233}Np $Z = 93$ $N = 140$ adopted link ENSDF link

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

BE = 1769.910 (0.051) MeV

Qbeta+ = 1.029 (0.051) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-5.627 (0.051)				
233NP 1				0.000 (5/2+)	1 36.2 M 1
233NP 2				0.034 (7/2+)	2
233NP 3				0.050 5/2(-)	3
233NP 4				0.512	4
233NP 5				0.535	5
233NP 6				0.559	6
233NP 7				0.583	7
233NP 8				0.726	8
233NP 9				0.770	9
233NP 10				0.831	10

233NP 11				0.992	11
233NP 12				1.012	12
233NP 13				1.035	13
233NP 14				1.063	14
233NP 15				1.243	15

S-p = 3.950 (0.051)-----

S-n = 7.406 (0.051)-----

S-2p = 10.054 (0.051)-----

S-2n = 13.818 (0.072)-----

S-alpha= -5.627 (0.051)-----

S+p = -4.887 (0.051)

S+n = -6.065 (0.052)

S+2p = -7.902 (0.073)

S+2n = -13.048 (0.051)

S+alpha = 6.249 (0.051)

gap p = -0.937 (0.072)

gap n = 1.341 (0.073)

gap 2p = 2.152 (0.089)

gap 2n = 0.770 (0.088)

gap alpha = 0.622 (0.072)