

^{243}Np $Z = 93$ $N = 150$ adopted link ENSDF link

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

BE = 1828.818 (0.000) MeV

Qbeta- = 2.000 (0.003) MeV

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

S-alpha=	-3.928	(0.239)	-----		
243NP 1				0.000 (5/2)	1 1.85 M 15
243NP 2				0.076 1/2+,3/2-	2
243NP 3				0.105 3/2-,1/2+	3
243NP 4				0.175 7/2-,9/2+	4
243NP 5	0.251	5/2+			5
243NP 6				0.295 3/2-,1/2+	6
243NP 7	0.330	3/2+			7
243NP 8				0.380	8
243NP 9				0.400 (7/2-)	9
243NP 10				0.422 (3/2-)	10

243NP 11				0.532 (1/2+)	11
243NP 12				0.580 (9/2+)	12
243NP 13				0.675 (11/2-)	13
243NP 14				0.710	14
243NP 15				0.772	15
243NP 16				0.808	16
243NP 17				0.853	17
243NP 18				1.044	18
243NP 19				1.128	19
243NP 20				1.173	20

243NP 21				1.268	21
243NP 22				1.391	22
243NP 23				1.430	23
243NP 24				0.000	24

S-p = 6.074 (0.242)-----

S-n = 5.734 (0.200)-----

S-2p = 14.570 (0.241)-----

S-2n = 10.704 (0.100)-----

S-alpha= -3.928 (0.239)-----

S+p = -7.237 (0.002)

S+n = -4.598 (0.000)

S+2p = -12.432 (0.002)

S+2n = -10.152 (0.245)

S+alpha = 4.861 (0.000)

gap p = -1.163 (0.242)
gap n = 1.136 (0.200)
gap 2p = 2.138 (0.241)
gap 2n = 0.552 (0.265)
gap alpha = 0.933 (0.239)