

^{245}Pu $Z = 94$ $N = 151$ adopted link ENSDF link

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

BE = 1840.754 (0.014) MeV

Qbeta- = 1.278 (0.014) MeV

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

S-alpha=	-4.441	(0.241)	-----		
245PU 1				0.000 (9/2-)	1 10.5 H 1
245PU 2				0.194 (7/2+)	2
245PU 3				0.222 (15/2-)	3
245PU 4				0.251 (9/2+)	4
245PU 5				0.264 (5/2+)	5 0.33 US 2
245PU 6				0.269 (7/2+)	6
245PU 7				0.311 (1/2+)	7
245PU 8				0.331 (9/2+)	8
245PU 9				0.360 (5/2+)	9
245PU 10				0.428 (7/2+)	10

245PU 11				0.464 (9/2+)	11
245PU 12				0.580 (3/2+)	12
245PU 13				0.619 (5/2+)	13
245PU 14				0.643 (3/2-)	14
245PU 15				0.665 (7/2+)	15
245PU 16				0.681 (7/2-)	16
245PU 17				0.728 (9/2+)	17
245PU 18				0.743	18
245PU 19				0.766 (11/2-)	19
245PU 20				0.807	20

245PU 21				1.076	21
245PU 22				1.133	22
245PU 23				1.284	23
245PU 24				1.394	24
245PU 25				2.000	25 90 NS 30

S-p = 7.338 (0.014)-----
 S-n = 4.699 (0.014)-----
 S-2p = 13.880 (0.243)-----
 S-2n = 10.719 (0.014)-----
 S-alpha= -4.441 (0.241)-----

S+p = -5.476 (0.014)
 S+n = -5.855 (0.020)
 S+2p = -12.223 (0.014)
 S+2n = -10.017 (0.247)

S+alpha = 5.148 (0.014)

gap p = 1.862 (0.019)

gap n = -1.156 (0.025)

gap 2p = 1.657 (0.244)

gap 2n = 0.702 (0.248)

gap alpha = 0.707 (0.242)