

^{241}Pu $Z = 94$ $N = 147$ adopted link ENSDF link

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

BE = 1818.692 (0.001) MeV

Qbeta- = 0.021 (0.002) MeV

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

S-alpha=	-5.140	(0.002)	-----		
241PU 1	0.000	5/2+			1 14.329 Y 29
241PU 2	0.042	7/2+			2
241PU 3	0.096	9/2+			3
241PU 4	0.161	11/2+			4
241PU 5	0.162	1/2+			5 0.88 US 5
241PU 6	0.171	3/2+			6
241PU 7	0.175	7/2+			7
241PU 8	0.223	5/2+			8
241PU 9	0.232	9/2+			9
241PU 10				0.235 (13/2+)	10

241PU 11	0.245	7/2+			11
241PU 12	0.301	11/2+			12
241PU 13				0.337 1/2,3/2	13
241PU 14	0.337	9/2+			14
241PU 15	0.373	11/2+			15
241PU 16				0.376 1/2,3/2	16
241PU 17				0.385 (13/2+)	17
241PU 18				0.404 (9/2)-	18
241PU 19				0.409 (7/2)-	19
241PU 20			0.446 11/2-		20

241PU 21				0.473 (1/2,3/2)	21
241PU 22				0.495	22
241PU 23	0.503	13/2+			23
241PU 24			0.519 5/2-		24
241PU 25				0.534 +	25
241PU 26			0.561 7/2-		26
241PU 27			0.570 15/2-		27
241PU 28				0.615 (9/2-)	28
241PU 29				0.645	29
241PU 30				0.681 (1/2,3/2)	30

241PU 31	0.755	1/2+			31
241PU 32			0.769 1/2-		32
241PU 33			0.779 3/2-		33
241PU 34	0.784	3/2+			34
241PU 35	0.800	3/2+			35
241PU 36	0.800	5/2+			36

241PU	37				0.811	5/2-				37
241PU	38		0.832	5/2+						38
241PU	39				0.833	7/2-				39
241PU	40							0.835	3/2+,5/2+,7/2+	40

241PU	41				0.842	1/2-				41
241PU	42				0.851	3/2-				42
241PU	43							0.863		43
241PU	44		0.869	7/2+						44
241PU	45							0.877	(7/2+)	45
241PU	46							0.898	(5/2-)	46
241PU	47							0.898	(9/2+)	47
241PU	48							0.918	(7/2-)	48
241PU	49							0.930	3/2,5/2,7/2	49
241PU	50							0.931	(9/2+)	50

241PU	51							0.937	(11/2-)	51
241PU	52		0.940	3/2+						52
241PU	53		0.943	3/2+						53
241PU	54							0.950		54
241PU	55				0.965	1/2-				55
241PU	56							0.974		56
241PU	57							0.994	(11/2+)	57
241PU	58				0.996	3/2-				58
241PU	59				1.009	3/2-				59
241PU	60							1.020	(1/2,3/2)	60

241PU	61							1.049	(1/2,3/2)	61
241PU	62							1.062		62
241PU	63							1.073	(1/2,3/2)	63
241PU	64							1.084		64
241PU	65				1.090	3/2-				65
241PU	66							1.118		66
241PU	67							1.173	(1/2,3/2)	67
241PU	68							1.179	(9/2+)	68
241PU	69							1.196	(1/2,3/2)	69
241PU	70							1.206		70

241PU	71							1.224	1/2,3/2	71
241PU	72							1.244		72
241PU	73							1.254	1/2-,3/2-	73
241PU	74							1.269	1/2,3/2	74
241PU	75							1.277		75
241PU	76							1.288		76
241PU	77				1.297	3/2-				77
241PU	78							1.309		78
241PU	79							1.316	1/2,3/2	79
241PU	80							1.347		80

241PU	81							1.352	1/2,3/2	81

241PU 82			1.358	1/2,3/2	82
241PU 83			1.363		83
241PU 84			1.384		84
241PU 85			1.390		85
241PU 86			1.441		86
241PU 87			1.452		87
241PU 88			1.472		88
241PU 89			1.478		89
241PU 90			1.489		90

241PU 91			1.501		91
241PU 92			1.505		92
241PU 93			1.514		93
241PU 94			1.524		94
241PU 95			1.531		95
241PU 96			1.546		96
241PU 97			1.594		97
241PU 98			1.611		98
241PU 99			1.762		99
241PU 100			1.801		100

241PU 101			1.826		101
241PU 102			1.868	(15/2)-	102
241PU 103			1.944		103
241PU 104			1.991		104
241PU 105			2.045		105
241PU 106			2.199	(1/2,3/2)	106
241PU 107			2.200		107 20.5 US 22

S-p = 6.650 (0.017)-----
S-n = 5.242 (0.002)-----
S-2p = 12.195 (0.002)-----
S-2n = 11.776 (0.002)-----
S-alpha= -5.140 (0.002)-----

S+p = -4.776 (0.002)
S+n = -6.310 (0.002)
S+2p = -10.351 (0.002)
S+2n = -11.343 (0.003)
S+alpha = 5.625 (0.002)

gap p = 1.874 (0.017)
gap n = -1.068 (0.002)
gap 2p = 1.844 (0.003)
gap 2n = 0.432 (0.003)
gap alpha = 0.484 (0.002)