

^{157}Eu $Z = 63$ $N = 94$ adopted link ENSDF link

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

BE = 1287.368 (0.004) MeV

Qbeta- = 1.365 (0.004) MeV

	Energy T	J+	J-	J-other	T1/2
157EU 1	0.000	5/2+			1 15.18 H 3
157EU 2	0.077	7/2+			2
157EU 3	0.177	9/2+			3
157EU 4			0.198	5/2-	4
157EU 5			0.263	7/2-	5
157EU 6				0.296 (11/2+)	6
157EU 7			0.350	9/2-	7
157EU 8	0.394	3/2+			8
157EU 9	0.454	5/2+			9
157EU 10			0.457	11/2-	10
157EU 11	0.539	7/2+			11
157EU 12				0.584 (13/2-)	12
157EU 13	0.645	9/2+			13
157EU 14				0.670	14
157EU 15				0.716	15
157EU 16				0.724 (15/2-)	16
157EU 17	0.972	3/2+			17
157EU 18				0.988	18
157EU 19				1.021	19
157EU 20	1.057	1/2+			20
157EU 21				1.073	21
157EU 22				1.098	22
157EU 23				1.145 (5/2+)	23
S-alpha=	1.236 (0.010)				
157EU 24				1.247	24
157EU 25				1.300	25
157EU 26				1.322 (7/2+)	26
157EU 27				1.361	27
157EU 28				1.369	28
157EU 29				1.377	29
157EU 30				1.383	30
157EU 31				1.404	31
157EU 32				1.418	32
157EU 33				1.463	33
157EU 34				1.562	34
157EU 35				1.603	35
157EU 36				1.635	36

157EU	37				1.711	37
157EU	38				1.823	38
157EU	39				1.850	39
157EU	40				1.945	40

157EU	41				2.035	41

S-p = 7.387 (0.010)-----
S-n = 7.448 (0.006)-----
S-2p = 17.097 (0.006)-----
S-2n = 13.784 (0.004)-----
S-alpha= 1.236 (0.010)-----

S+p = -8.520 (0.004)
S+n = -5.883 (0.005)
S+2p = -14.651 (0.004)
S+2n = -12.727 (0.006)
S+alpha = -0.427 (0.004)

gap p = -1.132 (0.010)
gap n = 1.565 (0.007)
gap 2p = 2.446 (0.008)
gap 2n = 1.057 (0.007)
gap alpha = 0.809 (0.011)