

^{155}Eu $Z = 63$ $N = 92$ adopted link ENSDF link

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

BE = 1273.585 (0.001) MeV

Qbeta- = 0.252 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
155EU 1	0.000	5/2+			1 4.753 Y 14
155EU 2	0.079	7/2+			2
155EU 3			0.104 5/2-		3 0.104 NS 10
155EU 4			0.169 7/2-		4
155EU 5	0.179	9/2+			5
155EU 6	0.246	3/2+			6 1.35 NS 5
155EU 7			0.255 9/2-		7
155EU 8	0.301	11/2+			8
155EU 9	0.307	5/2+			9
155EU 10			0.357 11/2-		10
155EU 11	0.391	7/2+			11
155EU 12	0.443	13/2+			12
155EU 13			0.487 13/2-		13
155EU 14	0.501	9/2+			14
155EU 15	0.604	15/2+			15
155EU 16			0.624 15/2-		16
155EU 17	0.627	11/2+			17
155EU 18			0.768 3/2-		18
155EU 19	0.782	13/2+			19
155EU 20	0.785	17/2+			20
155EU 21				0.801 (17/2-)	21
155EU 22			0.818 5/2-		22
S-alpha=	0.857 (0.005)				
155EU 23				0.877 (1/2+)	23
155EU 24			0.882 7/2-		24
155EU 25	0.911	3/2+			25
155EU 26	0.923	1/2+			26
155EU 27				0.944 (15/2+)	27
155EU 28	0.956	5/2+			28
155EU 29			0.967 19/2-		29
155EU 30			0.974 9/2-		30
155EU 31	0.977	7/2+			31
155EU 32	0.979	5/2+			32
155EU 33	0.983	19/2+			33
155EU 34	1.007	3/2+			34
155EU 35				1.008 5/2-, 7/2-	35
155EU 36				1.022	36

155EU	37	1.054	7/2+					37
155EU	38	1.055	7/2+					38
155EU	39					1.065	(3/2)+	39
155EU	40	1.069	5/2+					40

155EU	41					1.078	(11/2-)	41
155EU	42					1.096	(3/2+,5/2+)	42
155EU	43			1.102	3/2-			43
155EU	44					1.107	3/2-,5/2	44-
155EU	45					1.118		45
155EU	46					1.126	(5/2+)	46
155EU	47					1.132	(7/2)+	47
155EU	48	1.138	7/2+					48
155EU	49					1.140	(17/2+)	49
155EU	50	1.151	9/2+					50

155EU	51					1.191	(21/2-)	51
155EU	52	1.194	7/2+					52
155EU	53	1.198	21/2+					53
155EU	54					1.203	5/2-,7/2-	54
155EU	55	1.231	5/2+					55
155EU	56					1.264	3/2-,5/2-	56
155EU	57					1.302	5/2,7/2+	57
155EU	58					1.316	(7/2+)	58
155EU	59					1.318	1/2-,3/2-	59
155EU	60					1.333	(19/2+)	60

155EU	61					1.342		61
155EU	62					1.352		62
155EU	63					1.377	1/2-,3/2-	63
155EU	64			1.380	23/2-			64
155EU	65					1.400		65
155EU	66			1.421	11/2-			66
155EU	67	1.427	23/2+					67
155EU	68	1.478	5/2+					68
155EU	69	1.483	3/2+					69
155EU	70					1.515		70

155EU	71					1.526		71
155EU	72					1.549	(5/2+)	72
155EU	73					1.568	(21/2+)	73
155EU	74	1.633	7/2+					74
155EU	75					1.648	(25/2-)	75
155EU	76	1.673	25/2+					76
155EU	77					1.736		77
155EU	78					1.786	(23/2+)	78
155EU	79					1.820		79
155EU	80					1.845		80

155EU	81					1.929	(27/2+)	81

155EU 82 | | | 2.199 (29/2+) 82

S-p = 6.652 (0.002)-----
S-n = 8.151 (0.002)-----
S-2p = 15.748 (0.009)-----
S-2n = 14.594 (0.002)-----
S-alpha= 0.857 (0.005)-----

S+p = -8.006 (0.002)
S+n = -6.336 (0.004)
S+2p = -13.524 (0.002)
S+2n = -13.784 (0.004)
S+alpha = -0.139 (0.002)

gap p = -1.354 (0.002)
gap n = 1.815 (0.004)
gap 2p = 2.225 (0.009)
gap 2n = 0.810 (0.005)
gap alpha = 0.718 (0.005)