

^{156}Eu $Z = 63$ $N = 93$ adopted link ENSDF link

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

BE = 1279.921 (0.004) MeV

Qbeta- = 2.452 (0.004) MeV

	Energy T	J+	J-	J-other	T1/2
156EU 1	0.000	0+			1 15.19 D 8
156EU 2	0.023	1+			2
156EU 3	0.048	2+			3
156EU 4			0.087 1-		4 12.0 NS 3
156EU 5	0.104	3+			5
156EU 6			0.125 2-		6
156EU 7	0.146	5+			7
156EU 8			0.150 5-		8
156EU 9	0.160	4+			9
156EU 10	0.175	4+			10
156EU 11			0.184 3-		11
156EU 12			0.215 4-		12
156EU 13			0.218 0-		13
156EU 14	0.250	5+			14
156EU 15			0.258 4-		15
156EU 16	0.260	4+			16
156EU 17			0.267 1-		17
156EU 18			0.269 2-		18
156EU 19	0.269	5+			19
156EU 20	0.291	1+			20 0.2 NS LE
156EU 21			0.313 5-		21
156EU 22	0.325	2+			22
156EU 23			0.343 3-		23
156EU 24			0.353 3-		24
156EU 25				0.369 (5-)	25
156EU 26	0.375	3+			26
156EU 27			0.386 4-		27
156EU 28			0.434 3-		28
156EU 29			0.436 4-		29
156EU 30	0.442	4+			30
156EU 31			0.513 1-		31
156EU 32				0.524 (4-)	32
156EU 33				0.675	33

S-p = 7.181 (0.004)

S-n = 6.336 (0.004)

```
S-2p = 16.394 ( 0.025)-----  
S-2n = 14.487 ( 0.004)-----  
S-alpha= 1.253 ( 0.026)-----  
  
S+p = -8.030 ( 0.004)  
S+n = -7.448 ( 0.006)  
S+2p = -13.966 ( 0.004)  
S+2n = -13.330 ( 0.004)  
S+alpha = -0.179 ( 0.004)  
  
gap p = -0.849 ( 0.005)  
gap n = -1.112 ( 0.007)  
gap 2p = 2.428 ( 0.026)  
gap 2n = 1.157 ( 0.006)  
gap alpha = 1.075 ( 0.026)
```