

^{165}Eu $Z = 63$ $N = 102$ adopted link ENSDF link

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

BE = 1333.209 (0.005) MeV

Qbeta- = 5.797 (0.005) MeV

	Energy T	J+	J-	J-other	T1/2
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165EU	1			0.000	1 2.3 S 2

S-p = 10.093 (0.007)-----

S-n = 5.568 (0.006)-----

S-2p = 22.363 (0.326)-----

S-2n = 10.298 (0.005)-----

S-alpha= 3.067 (0.010)-----

S+p = -10.931 (0.005)

S+n = -4.087 (0.166)

S+2p = -19.732 (0.006)

S+2n = -9.137 (0.334)

S+alpha = -2.157 (0.338)

gap p = -0.838 (0.009)

gap n = 1.481 (0.166)

gap 2p = 2.631 (0.326)

gap 2n = 1.161 (0.334)

gap alpha = 0.911 (0.338)