

^{165}Re $Z = 75$ $N = 90$ adopted link ENSDF link

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

BE = 1303.751 (0.024) MeV

Qbeta+ = 8.202 (0.035) MeV

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

S-alpha=	-5.694	(0.034)	-----		
S-p	-0.287	(0.026)	-----		
165RE	1			0.000 (1/2+)	1 1.6 S 6
165RE	2			0.048 (11/2-)	2 1.74 S 6
165RE	3			0.385 (13/2-)	3
165RE	4			0.587 (15/2-)	4
165RE	5			1.012 (17/2-)	5
165RE	6			1.259 (19/2-)	6
165RE	7			2.019 (23/2-)	7

S-p = -0.287 (0.026)-----

S-n = 11.258 (0.059)-----

S-2p = 2.703 (0.045)-----

S-2n = 20.800 (0.030)-----

S-alpha= -5.694 (0.034)-----

S+p = -2.061 (0.030)

S+n = -9.249 (0.091)

S+2p = -0.991 (0.030)

S+2n = -20.392 (0.024)

S+alpha = 6.141 (0.033)

gap p = -2.349 (0.039)

gap n = 2.009 (0.109)

gap 2p = 1.712 (0.054)

gap 2n = 0.407 (0.038)

gap alpha = 0.447 (0.047)