

^{189}Hg $Z = 80$ $N = 109$ adopted link ENSDF link

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

BE = 1492.518 (0.032) MeV

Qbeta+ = 3.956 (0.037) MeV

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

S-alpha=	-4.637 (0.041)				
189HG 1			0.000 3/2-		1 7.6 M 2
189HG 2				0.064 (5/2)-	2 0.40 NS 4

S-p = 4.544 (0.032)-----
 S-n = 7.499 (0.032)-----
 S-2p = 7.519 (0.040)-----
 S-2n = 17.650 (0.034)-----
 S-alpha= -4.637 (0.041)-----

S+p = -2.029 (0.032)
 S+n = -9.816 (0.035)
 S+2p = -5.243 (0.032)
 S+2n = -17.108 (0.039)
 S+alpha = 4.972 (0.033)

gap p = 2.515 (0.045)
 gap n = -2.316 (0.048)
 gap 2p = 2.276 (0.051)
 gap 2n = 0.542 (0.052)
 gap alpha = 0.335 (0.053)