

^{166}Ta $Z = 73$ $N = 93$ adopted link ENSDF link

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

BE = 1328.825 (0.028) MeV

Qbeta+ = 7.761 (0.040) MeV

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

S-alpha=	-4.309 (0.080)				
166TA 1				0.000 (2)+	1 34.4 S 5

S-p	= 1.751 (0.040)	-----			
S-n	= 8.321 (0.031)	-----			
S-2p	= 6.033 (0.040)	-----			
S-2n	= 18.958 (0.040)	-----			
S-alpha=	-4.309 (0.080)	-----			

S+p	= -3.284 (0.034)
S+n	= -10.325 (0.040)
S+2p	= -4.275 (0.042)
S+2n	= -18.439 (0.040)
S+alpha	= 4.769 (0.030)

gap p	= -1.533 (0.052)
gap n	= -2.004 (0.050)
gap 2p	= 1.758 (0.057)
gap 2n	= 0.519 (0.056)
gap alpha	= 0.460 (0.086)