

$^{78}\text{Y}$        $Z = 39$        $N = 39$       adopted link      ENSDF link

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

BE = 651.222 (-0.312) MeV

Qbeta+ = 11.003 ( 0.312) MeV

	Energy T	J+	J-	J-other	T1/2
78Y	1			0.000 1 (0+)	1 53 MS 8

S-p = 1.656 (-0.312)-----  
 S-n = 13.816 (-0.388)-----  
 S-2p = 6.270 (-0.312)-----  
 S-2n = 30.074 (-0.436)-----  
 S-alpha= 2.680 (-0.312)-----

S+p = -1.871 (-0.444)  
 S+n = -13.703 (-0.322)  
 S+2p = -0.858 (-0.507)  
 S+2n = -25.120 (-0.312)  
 S+alpha = -2.066 (-0.453)

gap p = -0.215 ( 0.543)  
 gap n = 0.112 ( 0.504)  
 gap 2p = 5.412 ( 0.596)  
 gap 2n = 4.954 ( 0.536)  
 gap alpha = 0.613 ( 0.550)