

$^{76}\text{Ni}$        $Z = 28$        $N = 48$       adopted link      ENSDF link

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

BE = 633.688 (-0.304) MeV

Qbeta- = 8.808 ( 0.304) MeV

	Energy T	J+	J-	J-other	T1/2	
76Ni	1   0.000	0+			1 0.238 S	+15-18
76Ni	2			0.992 (2+)	2	
76Ni	3			1.922 (4+)	3	
76Ni	4			2.276 (6+)	4	
76Ni	5			2.420 (8+)	5 0.59 US	+18-11

S-p = 18.913 (-0.483)-----

S-n = 6.013 (-0.378)-----

S-2p = 36.064 (-0.601)-----

S-2n = 9.646 (-0.376)-----

S-alpha= 15.352 (-0.589)-----

S+p = -13.978 (-0.304)

S+n = -3.256 (-0.491)

S+2p = -29.888 (-0.304)

S+2n = -8.876 (-0.494)

S+alpha = -11.900 (-0.304)

gap p = 4.935 ( 0.570)

gap n = 2.757 ( 0.619)

gap 2p = 6.176 ( 0.673)

gap 2n = 0.770 ( 0.621)

gap alpha = 3.452 ( 0.662)