

^{52}Ni $Z = 28$ $N = 24$ adopted link ENSDF link

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

BE = 420.363 (0.083) MeV

Qbeta+ = 11.784 (0.083) MeV

	Energy T	J+	J-	J-other	T1/2
52Ni	1 0.000	0+			1 40.8 MS 2
52Ni	2 1.397	2+			2
52Ni	3 2.385	4+			3
S-p	= 2.507 (0.096)	-----			
S-2p	= 2.661 (0.083)	-----			
52Ni	4 3.247	6+			4

S-p	= 2.507 (0.096)	-----			
S-n	= 18.993 (0.517)	-----			
S-2p	= 2.661 (0.083)	-----			
S-2n	= 35.263 (0.507)	-----			
S-alpha	= 6.976 (0.124)	-----			

S+p	= 2.140 (0.484)
S+n	= -15.142 (0.087)
S+2p	= 2.295 (0.231)
S+2n	= -32.861 (0.083)
S+alpha	= -5.278 (0.401)

gap p	= 4.646 (0.494)
gap n	= 3.850 (0.524)
gap 2p	= 4.956 (0.246)
gap 2n	= 2.402 (0.514)
gap alpha	= 1.699 (0.419)