

^{50}Ar $Z = 18$ $N = 32$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 402.700 (-0.500) MeV

Qbeta- = 12.512 (0.500) MeV

	Energy T	J+	J-	J-other	T1/2
50AR 1	0.000	0+			1 106 MS 6
50AR 2	1.178	(2+)			2
50AR 3	2.760	(4+)			3

S-p = 21.235 (-0.635) -----
 S-n = 4.232 (-0.635) -----
 S-2p = 40.204 (-0.693) -----
 S-2n = 7.004 (-0.500) -----
 S-alpha= 16.294 (-0.649) -----

S+p = -16.588 (-0.500)
 S+n = -1.322 (-0.645)
 S+2p = -35.628 (-0.500)
 S+2n = -4.304 (-0.800)
 S+alpha = -14.369 (-0.502)

gap p = 4.647 (0.809)
 gap n = 2.910 (0.906)
 gap 2p = 4.576 (0.855)
 gap 2n = 2.700 (0.943)
 gap alpha = 1.925 (0.821)