

^{52}Ar $Z = 18$ $N = 34$ adopted link ENSDF link

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

BE = 407.004 (-0.624) MeV

Qbeta- = 15.760 (0.625) MeV

	Energy T	J+	J-	J-other	T1/2
52AR 1	0.000	0+			1
52AR 2	1.656	(2+)			2
52AR 3	2.295	(2+)			3

S-p = 22.974 (-0.948) -----
 S-n = 2.982 (-0.746) -----
 S-2p = 0.000 (-0.000) -----
 S-2n = 4.304 (-0.800) -----
 S-alpha= 16.212 (-0.787) -----

S+p = -18.207 (-0.634)
 S+n = 0.123 (-0.930)
 S+2p = -38.361 (-0.626)
 S+2n = -2.208 (-1.022)
 S+alpha = -14.558 (-0.672)

gap p = 4.767 (1.141)
 gap n = 3.105 (1.192)
 gap 2p = 0.000 (0.000)
 gap 2n = 2.096 (1.298)
 gap alpha = 1.655 (1.035)