

^{46}Ar $Z = 18$ $N = 28$ adopted link ENSDF link

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

BE = 386.970 (0.002) MeV

Qbeta- = 5.643 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
46AR 1	0.000	0+			1 8.4 S 6
46AR 2	1.577	2+			2 1.59 PS 32

S-p = 18.798 (0.136)-----
 S-n = 8.072 (0.002)-----
 S-2p = 35.145 (0.006)-----
 S-2n = 13.241 (0.003)-----
 S-alpha= 14.558 (0.004)-----

S+p = -13.230 (0.003)
 S+n = -3.667 (0.003)
 S+2p = -29.032 (0.002)
 S+2n = -8.726 (0.017)
 S+alpha = -12.243 (0.003)

gap p = 5.568 (0.136)
 gap n = 4.405 (0.004)
 gap 2p = 6.113 (0.006)
 gap 2n = 4.514 (0.017)
 gap alpha = 2.316 (0.005)