

$^{32}\text{Ar}$        $Z = 18$        $N = 14$       adopted link      ENSDF link

Based on ensdf\_240402 (Apr 2024), and mass evaluation from 2020

BE = 246.400 ( 0.002) MeV

Qbeta+ = 11.134 ( 0.002) MeV

	Energy T	J+	J-	J-other	T1/2
32AR 1	0.000	0+			1 98 MS 2
32AR 2	1.867	2+			2 0.46 PS 12

S-p = 2.455 ( 0.004) -----  
 S-n = 21.588 ( 0.186) -----  
 S-2p = 2.719 ( 0.002) -----  
 S-2n = 40.420 ( 0.180) -----  
 S-alpha = 8.698 ( 0.160) -----

S+p = 2.464 ( 0.198)  
 S+n = -15.255 ( 0.002)  
 S+2p = 2.518 ( 0.306)  
 S+2n = -32.321 ( 0.002)  
 S+alpha = -6.676 ( 0.040)

gap p = 4.919 ( 0.198)  
 gap n = 6.333 ( 0.186)  
 gap 2p = 5.237 ( 0.306)  
 gap 2n = 8.100 ( 0.180)  
 gap alpha = 2.023 ( 0.165)