

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

Based on ENSDF from Oct 2022, 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)