

$^{48}\text{Ar}$        $Z = 18$        $N = 30$       [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 395.622 ( 0.307) MeV

Qbeta- = 10.003 ( 0.307) MeV

	Energy T	J+	J-	J-other	T1/2
48AR 1	0.000	0+			1 475 MS 40
48AR 2				1.038 (2+)	2
48AR 3				2.194 (2+)	3
48AR 4				2.753 (4+)	4
48AR 5				3.279 (3+)	5

S-p = 0.000 ( 0.000)-----  
 S-n = 4.986 ( 0.307)-----  
 S-2p = 0.000 ( 0.000)-----  
 S-2n = 8.651 ( 0.307)-----  
 S-alpha= 15.502 ( 0.307)-----

S+p = -14.619 ( 0.307)  
 S+n = 0.000 ( 0.000)  
 S+2p = -31.886 ( 0.307)  
 S+2n = 0.000 ( 0.000)  
 S+alpha = -14.410 ( 0.307)

gap p = 0.000 ( 0.000)  
 gap n = 0.000 ( 0.000)  
 gap 2p = 0.000 ( 0.000)  
 gap 2n = 0.000 ( 0.000)  
 gap alpha = 1.092 ( 0.435)