

$^{46}\text{Ar}$        $Z = 18$        $N = 28$       [link to full NNDC output](#)

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

BE = 386.971 ( 0.001) MeV

Qbeta- = 5.641 ( 0.001) 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 = 18.799 ( 0.136)-----  
S-n = 8.073 ( 0.001)-----  
S-2p = 35.147 ( 0.005)-----  
S-2n = 13.242 ( 0.002)-----  
S-alpha= 14.560 ( 0.003)-----

S+p = -13.228 ( 0.002)  
S+n = -3.665 ( 0.002)  
S+2p = -29.030 ( 0.001)  
S+2n = -8.651 ( 0.307)  
S+alpha = -12.241 ( 0.002)

gap p = 5.571 ( 0.136)  
gap n = 4.409 ( 0.002)  
gap 2p = 6.117 ( 0.005)  
gap 2n = 4.591 ( 0.307)  
gap alpha = 2.319 ( 0.004)