

^{48}Ar $Z = 18$ $N = 30$ adopted link ENSDF link

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

BE = 395.696 (0.017) MeV

Qbeta- = 9.930 (0.017) MeV

	Energy T	J+	J-	J-other	T1/2
48AR 1	0.000	0+			1 416 MS 19
48AR 2				1.039 (2+)	2 6.7 PS +16-11
48AR 3				2.195 (2+)	3
48AR 4				2.754 (4+)	4
48AR 5				3.279 (3+)	5

S-p = 20.072 (0.189)-----

S-n = 5.059 (0.017)-----

S-2p = 37.586 (0.414)-----

S-2n = 8.726 (0.017)-----

S-alpha= 15.576 (0.018)-----

S+p = -14.546 (0.017)

S+n = -2.772 (0.392)

S+2p = -31.812 (0.017)

S+2n = -7.004 (0.500)

S+alpha = -14.336 (0.017)

gap p = 5.526 (0.189)

gap n = 2.287 (0.393)

gap 2p = 5.774 (0.415)

gap 2n = 1.722 (0.501)

gap alpha = 1.239 (0.024)