

^{35}Ar $Z = 18$ $N = 17$ [link to full NNDC output](#)

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

BE = 291.461 (0.001) MeV

Qbeta+ = 5.966 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
35AR 1	0.000	3/2+			1 1.7756 S 10
35AR 2	1.184	1/2+			2
35AR 3				1.751 (5/2)+	3
35AR 4	2.603	7/2+			4
35AR 5				2.638 3/2+,5/2+	5
35AR 6				2.983 3/2+,5/2+	6
35AR 7			3.197 7/2-		7
35AR 8	3.884	1/2+			8
35AR 9				4.012 1/2-,3/2-	9
35AR 10				4.065 1/2+,3/2+,5/2+	10
35AR 11				4.110	11
35AR 12				4.142 1/2-,3/2-	12
35AR 13			4.359 9/2-		13
35AR 14				4.528 1/2+,3/2+,5/2+	14
35AR 15	4.726	1/2+			15
35AR 16	4.786	1/2+			16
35AR 17				5.048	17
35AR 18				5.113 3/2+,5/2+	18
35AR 19				5.205	19
35AR 20			5.384 11/2-		20
35AR 21				5.484 3/2+,5/2+	21
35AR 22	5.573	3/2 3/2+			22
35AR 23				5.592 3/2+,5/2+	23
35AR 24				5.613 (11/2-)	24
35AR 25			5.766 13/2-		25
S-p =	5.896 (0.001)				
35AR 26				5.911	26
35AR 27				6.032 3/2+,5/2+	27
35AR 28				6.153	28
35AR 29				6.258	29
S-alpha=	6.430 (0.001)				
35AR 30	6.630	1/2+			30
35AR 31				6.700 5/2-,7/2-	31
35AR 32				6.826 3/2+,5/2+	32
35AR 33				6.959	33
35AR 34				7.050 3/2+,5/2+	34
35AR 35				7.117	35

35AR 36				7.293		36
35AR 37				7.423		37
35AR 38				7.504	1/2+,3/2+,5/2+	38
35AR 39				7.840		39
35AR 40				8.019		40

35AR 41		8.109	15/2-			41
35AR 42		8.212	15/2-			42
35AR 43				8.395	1/2+,3/2+,5/2+	43
35AR 44		9.906	19/2-			44
S-2p	=	11.039 (0.001)	-----			
35AR 45		12.276	23/2-			45
S-p	=	5.896 (0.001)	-----			
S-n	=	12.740 (0.001)	-----			
S-2p	=	11.039 (0.001)	-----			
S-2n	=	29.806 (0.001)	-----			
S-alpha	=	6.430 (0.001)	-----			
S+p	=	-1.659 (0.001)				
S+n	=	-15.256 (0.001)				
S+2p	=	-4.667 (0.001)				
S+2n	=	-24.043 (0.001)				
S+alpha	=	-6.660 (0.001)				
gap p	=	4.237 (0.001)				
gap n	=	-2.515 (0.001)				
gap 2p	=	6.373 (0.001)				
gap 2n	=	5.763 (0.001)				
gap alpha	=	-0.231 (0.001)				