

^{32}Cl $Z = 17$ $N = 15$ adopted link ENSDF link

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

BE = 258.317 (0.001) MeV

Qbeta+ = 12.681 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
32CL 1	0.000	1+			1 298 MS 1
32CL 2				0.090 (2)+	2
32CL 3				0.461 (0)+	3
32CL 4	1.169	1+			4
32CL 5				1.331 (2)+	5
S-p =	1.581 (0.001)				
32CL 6				1.737 (3+)	6
32CL 7				2.131 (3)+	7
32CL 8				2.210 (1+)	8
32CL 9				2.283 (2)+	9
32CL 10				2.611 (1+)	10
32CL 11				2.675 (2+)	11
32CL 12				2.859 1+,2+,3+	12
32CL 13				2.936 (3+)	13
32CL 14				3.055 2-,3-,4-	14
32CL 15				3.165 2-,3-,4-	15
32CL 16				3.283 1+,2+,3+	16
32CL 17				3.694 (2,3)	17
32CL 18	3.772	1+			18
32CL 19				3.800 (6-)	19
32CL 20				3.878 (4,5)	20
32CL 21				4.001	21
32CL 22	4.079	1+			22
32CL 23	4.167	1+			23
32CL 24				4.352 0+,1+	24
32CL 25	4.439	1+			25
32CL 26				4.581	26
32CL 27				4.700 (6-)	27
32CL 28				4.757 3+,4+,5+	28
32CL 29				4.796 (1+)	29
32CL 30				5.018	30
32CL 31	5.046	0+			31 20 EV 5
32CL 32				5.166 (5+,6+,7+)	32
32CL 33	5.302	1+			33
32CL 34	5.427	1+			34
32CL 35				5.578 (5+,6+,7+)	35
32CL 36				5.600 (6-)	36

32CL 37		5.695	1+				37
32CL 38		5.794	1+				38
32CL 39						5.905	39
32CL 40						5.990	40

32CL 41		6.063	1+				41
32CL 42						6.076 (5+,6+,7+)	42
32CL 43						6.178	43
32CL 44		6.259	1+				44
32CL 45						6.300 (6-)	45
32CL 46						6.360 (5+,6+,7+)	46
32CL 47		6.528	1+				47
32CL 48		6.599	1+				48
32CL 49						6.680	49
32CL 50		6.738	1+				50

32CL 51						6.800 (6-)	51
32CL 52						6.820	52
32CL 53		7.330	1+				53
32CL 54						7.400 (6-)	54
32CL 55		7.467	1+				55
32CL 56						7.507	56
32CL 57		7.608	1+				57

S-2p	=	7.712	(0.001)	-----			
32CL 58		7.861	1+				58
32CL 59		8.186	1+				59
32CL 60						8.300	60

32CL 61						8.400 (6-)	61
32CL 62						8.600	62

S-alpha	=	8.612	(0.001)	-----			
32CL 63						9.200 (6-)	63
32CL 64						9.800 (6-)	64
32CL 65						10.000	65

S-p	=	1.581	(0.001)	-----			
S-n	=	14.371	(0.003)	-----			
S-2p	=	7.712	(0.001)	-----			
S-2n	=	34.152	(0.024)	-----			
S-alpha	=	8.612	(0.001)	-----			

S+p	=	-3.339	(0.001)				
S+n	=	-15.740	(0.001)				
S+2p	=	-2.463	(0.204)				
S+2n	=	-27.248	(0.001)				
S+alpha	=	-6.507	(0.001)				

gap p	=	-1.757	(0.001)				
gap n	=	-1.368	(0.004)				

gap 2p = 5.249 (0.204)
gap 2n = 6.904 (0.024)
gap alpha = 2.104 (0.001)