

^{48}Cr $Z = 24$ $N = 24$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 411.468 (0.007) MeV

Qbeta+ = 1.657 (0.007) MeV

	Energy T	J+	J-	J-other	T1/2
48CR 1	0.000	0+			1 21.56 H 3
48CR 2	0.752	2+			2 8.0 PS 5
48CR 3	1.858	4+			3 1.20 PS 13
48CR 4	3.420	(0+)			4
48CR 5	3.445	6+			5 0.19 PS 5
48CR 6				3.524 (0,1,2,3)	6
48CR 7			3.533 4(-)		7 3.3 NS 8
48CR 8				3.632 (2+,3-)	8
48CR 9				4.034 (0,1,2,3)	9
48CR 10			4.064 3(-)		10
48CR 11			4.064 5(-)		11 28 PS 7
48CR 12	4.280	(0+)			12
48CR 13	4.429	4+			13
48CR 14	4.640	2+			14
48CR 15				4.653 (3,4)+	15
48CR 16				4.766 (4,5)	16
48CR 17			4.876 (6-)		17 0.7 PS GT
48CR 18				5.032 (3,4)+	18
48CR 19				5.131	19
48CR 20	5.188	8+			20 0.14 PS 4
48CR 21				5.294 3+,4+,5+	21
48CR 22	5.430	0+			22
48CR 23				5.595	23
48CR 24				5.609 (3+,4+)	24
48CR 25			5.649 (7-)		25 0.42 PS 7
48CR 26	5.670	(0+)			26
48CR 27				5.785	27
48CR 28	5.793	4+			28
48CR 29				5.834	29
48CR 30	5.960	(0+)			30
48CR 31	6.100	2+			31
48CR 32				6.258	32
48CR 33				6.278	33 0.14 PS 3
48CR 34			6.420 (5-)		34
48CR 35	6.855	0+			35
48CR 36	7.064	10+			36 0.125 PS 35

48CR 37				7.550		37			
48CR 38				7.671	(9-)		38	0.15 PS 5	
S-alpha=		7.698	(0.007)	-----					
48CR 39				7.940		39			
S-p	=	8.103	(0.007)	-----					
48CR 40		8.412	12+				40	0.59 PS 17	

48CR 41				8.463		41			
48CR 42		8.750	0+			42			
48CR 43		8.760	0+			43			
48CR 44				9.040		44			
48CR 45				9.180		45			
48CR 46		9.530	0+			46			
48CR 47				9.871	(11-)		47	0.139 PS 35	
48CR 48				9.900		48			
48CR 49		10.281	14+			49	0.30 PS	6	
48CR 50				11.106		50			

48CR 51		11.320	0+			51			
48CR 52				11.649	(13-)		52	0.48 PS 14	
48CR 53				12.302		53			
S-2p	=	13.271	(0.007)	-----					
48CR 54		13.310	16+				54	0.049 PS 10	
48CR 55				15.119		55			
48CR 56				15.735		56			
S-n	=	16.330	(0.009)	-----					
48CR 57				17.342		57			
48CR 58				17.378		58			

S-p	=	8.103	(0.007)	-----					
S-n	=	16.330	(0.009)	-----					
S-2p	=	13.271	(0.007)	-----					
S-2n	=	29.492	(0.014)	-----					
S-alpha=		7.698	(0.007)	-----					
S+p	=	-2.088	(0.008)						
S+n	=	-10.582	(0.008)						
S+2p	=	-6.233	(0.011)						
S+2n	=	-23.583	(0.007)						
S+alpha	=	-7.936	(0.007)						
gap p	=	6.016	(0.011)						
gap n	=	5.747	(0.012)						
gap 2p	=	7.038	(0.013)						
gap 2n	=	5.910	(0.015)						
gap alpha	=	-0.238	(0.010)						