

$^{48}\text{V}$        $Z = 23$        $N = 25$       [link to full NNDC output](#)

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

BE = 413.907 ( 0.001) MeV

Qbeta+ = 4.015 ( 0.001) MeV

	Energy T	J+	J-	J-other	T1/2
48V 1	0.000	4+			1 15.9735 D 25
48V 2	0.308	2+			2 7.11 NS 4
48V 3	0.421	1+			3 135 PS LE
48V 4	0.428	5+			4 6.1 PS 10
48V 5			0.519 1-		5 2.72 NS 6
48V 6	0.613	4+			6 15.0 PS 8
48V 7	0.627	6+			7 75.7 PS 39
48V 8			0.745 2-		8 17.3 PS 18
48V 9	0.765	3+			9 2.6 PS LE
48V 10				0.776 3,5	10
48V 11			1.056 3-		11 4.5 PS 11
48V 12			1.099 4-		12 4.5 PS 4
48V 13				1.121 2,3,4	13
48V 14	1.254	7+			14 0.41 PS 10
48V 15	1.265	5+			15 1.9 PS LE
48V 16				1.326	16
48V 17	1.521	2+			17 3.0 PS LE
48V 18			1.558 4-		18 0.97 PS 28
48V 19				1.686 5(-)	19 0.60 PS 7
48V 20				1.691 2,3	20
48V 21				1.730 5+,6+,7+	21
48V 22				1.750 (6+)	22
48V 23				1.764	23
48V 24	1.781	3+			24
48V 25				1.998 2-,3-	25
48V 26				2.062 5(-)	26 2.1 PS LT
48V 27				2.098	27
48V 28				2.120 1+,2+,3+	28
48V 29				2.187 2-,3-,4-	29
48V 30	2.198	2+			30
48V 31	2.232	8+			31 0.215 PS 35
48V 32				2.258 1+,2+,3+,4+	32
48V 33	2.289	1+			33
48V 34				2.337 2,3,4	34
48V 35			2.398 6-		35 0.222 PS 21
48V 36	2.408	1+			36
48V 37	2.447	2+			37

48V	38				2.470	2-,3-	38
48V	39				2.494	3,4,5	39
48V	40				2.577	1+,2+,3+,4+	40
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48V	41				2.605	2,3,4	41
48V	42				2.620		42
48V	43	2.626	9+				43 0.56 PS 8
48V	44				2.703	(7+)	44
48V	45				2.708	4-,5-,6-	45
48V	46				2.773	1+,2+,3+,4+	46
48V	47				2.779	(6-)	47 0.194 PS 28
48V	48				2.789	3-,4-	48
48V	49				2.823	(4-)	49
48V	50				2.884		50
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48V	51				2.937	1+,2+,3+,4+	51
48V	52				2.959		52
48V	53				3.012	(1,2,3,4)	53
48V	54				3.019	(0)+	54
48V	55				3.043	(0+)	55
48V	56				3.074	1+,2+,3+,4+	56
48V	57				3.168	1+,2+,3+,4+	57
48V	58				3.175	(7-)	58 0.139 PS 14
48V	59				3.210	(8+)	59
48V	60	3.243	2+				60
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48V	61				3.294	1+,2+,3+,4+	61
48V	62				3.322	1+,2+,3+,4+	62
48V	63				3.371	1+,2+,3+,4+	63
48V	64				3.423	(7-)	64 0.132 PS 28
48V	65				3.440	1+,2+,3+,4+	65
48V	66				3.523	1+,2+,3+,4+	66
48V	67				3.565	2+,3+,4+	67
48V	68	3.702	1+				68
48V	69				3.736	1+,2+,3+,4+	69
48V	70				3.801	1+,2+,3+,4+	70
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48V	71	3.866	1+				71
48V	72				3.981	(8-)	72 0.152 PS 21
48V	73				4.017	(2)+	73
48V	74				4.074	(8-)	74 0.097 PS 28
48V	75				4.086	1+,2+,3+,4+	75
48V	76				4.150	(10+)	76
48V	77	4.307	11+				77 0.36 PS 4
48V	78				4.361	(8-)	78 0.083 PS 28
48V	79				4.368	(9+)	79
48V	80				4.396	(9-)	80 0.90 PS 14
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48V	81				4.581	(9-)	81 0.39 PS 4
48V	82				4.675		82

