

$^{173}\text{Re}$        $Z = 75$        $N = 98$       adopted link      ENSDF link

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

BE = 1381.216 ( 0.028) MeV

Qbeta+ = 5.174 ( 0.040) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-4.312 ( 0.040)				
173RE 1				0.000 (5/2-)	1 1.98 M 26
173RE 2				0.087 (9/2-)	2
173RE 3				0.118 (5/2+)	3
173RE 4				0.231 (7/2+)	4
173RE 5				0.284	5
173RE 6				0.294 (13/2-)	6
173RE 7				0.364 (9/2+)	7
173RE 8				0.477	8
173RE 9				0.515 (11/2+)	9
173RE 10				0.615 (17/2-)	10
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173RE 11				0.655	11
173RE 12				0.677 (13/2+)	12
173RE 13				0.746	13
173RE 14				0.853 (15/2+)	14
173RE 15				0.951	15
173RE 16				1.030 (21/2-)	16
173RE 17				1.040 (17/2+)	17
173RE 18				1.067	18
173RE 19				1.243 (19/2+)	19
173RE 20				1.255 (17/2+)	20
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173RE 21				1.441	21
173RE 22				1.454 (21/2+)	22
173RE 23				1.518 (25/2-)	23
173RE 24				1.541 (21/2+)	24
173RE 25				1.685 (23/2+)	25
S-p	= 1.746 ( 0.040)				
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173RE 26				1.870	26
173RE 27				1.885 (25/2+)	27
173RE 28				1.932 (25/2+)	28
173RE 29				2.056 (29/2-)	29
173RE 30				2.179 (27/2+)	30
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173RE 31				2.308 (29/2+)	31
173RE 32				2.353	32
173RE 33				2.447 (29/2+)	33
173RE 34				2.624 (33/2-)	34
173RE 35				2.722 (31/2+)	35

173RE 36				2.787	(33/2+)	36
173RE 37				3.012	(33/2+)	37
173RE 38				3.217	(37/2-)	38
173RE 39				3.310	(35/2+)	39
173RE 40				3.317	(37/2+)	40
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173RE 41				3.614	(37/2+)	41
173RE 42				3.845	(41/2-)	42
173RE 43				3.899	(41/2+)	43
173RE 44				3.928	(39/2+)	44
173RE 45				4.525	(45/2-)	45
173RE 46				4.530	(45/2+)	46
173RE 47				5.212	(49/2+)	47
173RE 48				5.261	(49/2-)	48
173RE 49				5.946	(53/2+)	49
173RE 50				6.055	(53/2-)	50
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S-2p	=	6.411	( 0.040)	-----		
173RE 51				6.730	(57/2+)	51
173RE 52				6.905	(57/2-)	52
173RE 53				7.566	(61/2+)	53
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S-p	=	1.746	( 0.040)	-----		
S-n	=	10.058	( 0.045)	-----		
S-2p	=	6.411	( 0.040)	-----		
S-2n	=	18.446	( 0.040)	-----		
S-alpha	=	-4.312	( 0.040)	-----		
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S+p	=	-3.731	( 0.030)			
S+n	=	-8.191	( 0.040)			
S+2p	=	-4.419	( 0.031)			
S+2n	=	-17.877	( 0.040)			
S+alpha	=	5.081	( 0.034)			
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gap p	=	-1.985	( 0.049)			
gap n	=	1.868	( 0.060)			
gap 2p	=	1.993	( 0.050)			
gap 2n	=	0.569	( 0.056)			
gap alpha	=	0.770	( 0.052)			