

$^{30}\text{Si}$        $Z = 14$        $N = 16$       adopted link      ENSDF link

Based on ensdf\_240402 (Apr 2024), and mass evaluation from 2020

BE      =      255.620 ( 0.000) MeV

	Energy T	J+		J-		J-other		T1/2
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30SI	1	0.000	0+				1	STABLE
30SI	2	2.235	2+				2	215 FS 28
30SI	3	3.498	2+				3	58 FS 17
30SI	4	3.769	1+				4	36 FS 9
30SI	5	3.788	0+				5	8.3 PS 5
30SI	6	4.810	2+				6	104 FS 15
30SI	7	4.831	3+				7	83 FS 24
30SI	8	5.231	3+				8	43 FS 21
30SI	9	5.279	4+				9	83 FS 22
30SI	10	5.372	0+				10	59 FS 21
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30SI	11			5.488	3-		11	43 FS 12
30SI	12	5.614	2+				12	21 FS LT
30SI	13	5.951	4+				13	15 FS 8
30SI	14			6.503	4-		14	139 FS 35
30SI	15	6.537	2+				15	17 FS LT
30SI	16			6.641	2-		16	21 FS 9
30SI	17	6.642	0+				17	
30SI	18			6.744	1-		18	14 FS LT
30SI	19	6.865	3+				19	23 FS 16
30SI	20	6.915	(2+)				20	24 FS LT
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30SI	21	6.999	5+				21	104 FS 35
30SI	22			7.043	5-		22	0.83 PS 20
30SI	23					7.079 (1+,2-,3+)	23	14 FS LT
30SI	24	7.223	4+				24	14 FS LT
30SI	25	7.256	2+				25	35 FS LT
30SI	26	7.441	0+				26	
30SI	27			7.508	(2-)		27	24 FS LT
30SI	28			7.612	(4-)		28	13 FS 6
30SI	29	7.624	(2+)				29	17 FS LT
30SI	30					7.634	30	
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30SI	31					7.667 (1+,2+)	31	14 FS LT
30SI	32	7.810	4+				32	12 FS 8
30SI	33	7.912	2+				33	21 FS 15
30SI	34					8.105 (2+,3-)	34	24 FS LT
30SI	35					8.156 (1- TO 4+)	35	
30SI	36			8.163	1-		36	
30SI	37	8.191	(2+)				37	24 FS LT

30SI 38				8.194	5-			38	35	FS	12
30SI 39							8.290 (1 TO 3)	39			
30SI 40							8.333	40			
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30SI 41				8.441	3-			41			
30SI 42							8.536 (3+,4+)	42	31	FS	16
30SI 43				8.554	3-			43	14	FS	LT
30SI 44				8.596	(4-)			44	24	FS	LT
30SI 45		8.639		(1+ TO  +)				45	24	FS	LT
30SI 46							8.672 (1-,2+)	46			
30SI 47		8.684		2+				47	24	FS	LT
30SI 48		8.734		(0+ TO  +)				48			
30SI 49							8.799 (1,2+)	49			
30SI 50		8.887		(0+ TO  +)				50			
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30SI 51				8.898	(1-)			51			
30SI 52		8.939		(2+)				52			
30SI 53							8.953 (1,2+)	53			
30SI 54				8.959	(5-)			54	17	FS	10
30SI 55							8.979 (1,2+)	55			
30SI 56		9.035		(0+ TO  +)				56			
30SI 57							9.045 (3,4)	57	24	FS	LT
30SI 58							9.104 (1-,2-)	58	24	FS	LT
30SI 59				9.107	6-			59	24	FS	6
30SI 60							9.130 (4+,5+)	60	17	FS	LT
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30SI 61		9.166		(1+ TO  +)				61	24	FS	LT
30SI 62							9.255 (2+,3+)	62			
30SI 63		9.308		(1 TO 3 )				63	24	FS	LT
30SI 64				9.349	(4-)			64	24	FS	LT
30SI 65							9.362 (1,2+)	65			
30SI 66		9.367		6+				66	17	FS	LT
30SI 67		9.406		(1+ TO  +)				67	24	FS	LT
30SI 68				9.439	(1-)			68			
30SI 69		9.474		(2+ TO  +)				69			
30SI 70				9.505	(5-)			70	17	FS	LT
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30SI 71		9.575		(1+ TO  )				71			
30SI 72		9.597		(0+ TO  +)				72			
30SI 73		9.604		(2 TO 4 )				73			
30SI 74				9.620	(1-)			74			
30SI 75							9.647 (3-,4)	75	35	FS	LT
30SI 76				9.688	(0 TO 3-)			76			
30SI 77		9.725		(0+ TO  +)				77			
30SI 78		9.760		(2+ TO  +)				78	35	FS	LT
30SI 79							9.768 (1,2+)	79			
30SI 80				9.774	6-			80	24	FS	LT
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30SI 81				9.792	(1-)			81			
30SI 82		9.816		(0+ TO  +)				82			

30SI 83						9.882 (3,4)	83				
30SI 84		9.897	(0+ TO  +)				84				
30SI 85						9.954 (4,5)	85	14 FS	LT		
30SI 86						9.958 (1,2+)	86				
30SI 87		10.027	(2 TO 4 )				87				
30SI 88		10.056	4+				88				
30SI 89		10.079	(1+ TO  +)				89				
30SI 90						10.116 (1- TO 4+	90				
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30SI 91		10.184	(0+ TO  +)				91				
30SI 92				10.187	(5-)		92	19 FS	14		
30SI 93				10.202	(1-)		93				
30SI 94		10.219	(0+ TO  +)				94				
30SI 95		10.276	(0+ TO  +)				95				
30SI 96						10.287 (4+,5+)	96	28 FS	LT		
30SI 97				10.304	(3-)		97				
30SI 98						10.348 (3+,4)	98	24 FS	LT		
30SI 99		10.355	(0+ TO  +)				99				
30SI 100						10.396 (3,5+)	100	24 FS	LT		
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30SI 101		10.420	(2+ TO  +)				101				
30SI 102		10.449	(0 TO 3 )				102				
30SI 103						10.464 (3+,4)	103	35 FS	LT		
30SI 104						10.472 (1,2+)	104				
30SI 105		10.508	(0+ TO  +)				105				
30SI 106				10.555	(6-)		106	35 FS	LT		
30SI 107		10.581	(0 TO 3 )				107				
S-n	=	10.609	( 0.000)	-----							
30SI 108		10.622	(0 TO 4 )				108				
S-alpha=		10.643	( 0.000)	-----							
30SI 109						10.668 (3-,4-,5)	109	17 FS	LT		
30SI 110		10.675	(6+)				110	12 FS	8		
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30SI 111				10.719	(7-)		111	17 FS	9		
30SI 112						10.731 (3-,4-,5-	112	28 FS	LT		
30SI 113						10.795 (2 TO 4)	113				
30SI 114		10.805	(0+ TO  +)				114				
30SI 115						10.822 (4,5+,6+)	115	24 FS	LT		
30SI 116		10.835	(1+ TO  +)				116				
30SI 117				10.865	(3- TO 5)		117	35 FS	LT		
30SI 118						10.909	118				
30SI 119		10.975	(0+ TO  +)				119				
30SI 120						10.990 (3 TO 5)	120				
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30SI 121		11.015	(2+ TO  +)				121				
30SI 122						11.038 (3- TO 6+	122	52 FS	LT		
30SI 123						11.073 (3 TO 5)	123	35 FS	LT		
30SI 124				11.083	(4- TO 6-)		124	24 FS	9		
30SI 125						11.090 (3 TO 5)	125	35 FS	LT		
30SI 126		11.205	(0+ TO  +)				126				

30SI 127				11.210 (4,5+)	127		
30SI 128				11.248	128	24 FS	LT
30SI 129		11.268	(2+ TO  +)		129		
30SI 130		11.322	(2+ TO  +)		130		
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30SI 131		11.348	(2+ TO  +)		131		
30SI 132		11.382	(0+ TO  +)		132		
30SI 133				11.416 (6+,4+)	133	35 FS	LT
30SI 134				11.474 (6-,5-)	134		
30SI 135		11.492	(3+ TO  +)		135		
30SI 136		11.510	(4 TO 5 )		136		
30SI 137			11.539	7-	137		
30SI 138				11.563 (5,3+)	138	24 FS	LT
30SI 139				11.659 (4 TO 6)	139		
30SI 140				11.740 (3 TO 5)	140		
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30SI 141				11.784 (4,5+)	141	35 FS	LT
30SI 142		11.842	(0+ TO  +)		142		
30SI 143			11.879	(3- TO 7-)	143		
30SI 144		12.014	(4 TO 6 )		144		
30SI 145				12.394	145		
30SI 146				12.510	146		
30SI 147				12.715	147		
30SI 148			12.832	(8-)	148		
30SI 149			13.203	(8-)	149		
S-p	=	13.514	( 0.000)	-----			
30SI 150			15.191	(9-)	150		
-----							
30SI 151			15.529	(9-)	151		
-----							
S-p	=	13.514	( 0.000)	-----			
S-n	=	10.609	( 0.000)	-----			
S-2p	=	23.991	( 0.000)	-----			
S-2n	=	19.083	( 0.000)	-----			
S-alpha	=	10.643	( 0.000)	-----			
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S+p	=	-7.297	( 0.000)				
S+n	=	-6.587	( 0.000)				
S+2p	=	-16.160	( 0.000)				
S+2n	=	-15.787	( 0.000)				
S+alpha	=	-7.924	( 0.000)				
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gap p	=	6.218	( 0.000)				
gap n	=	4.022	( 0.000)				
gap 2p	=	7.830	( 0.000)				
gap 2n	=	3.295	( 0.000)				
gap alpha	=	2.720	( 0.000)				