

$^{36}\text{S}$        $Z = 16$        $N = 20$       adopted link      ENSDF link

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

BE      =      308.714 ( 0.000) MeV

	Energy T	J+	J-	J-other	T1/2
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36S	1   0.000	0+			1 STABLE
36S	2   3.291	2+			2 83 FS 7
36S	3   3.346	0+			3 8.8 NS 2
36S	4		4.193 3-		4 0.62 PS 7
36S	5   4.523	1+			5 0.017 PS 8
36S	6   4.575	2+			6 55 FS 10
36S	7		5.022 4-		7
36S	8		5.206 5-		8
36S	9		5.251 3-		9 70 FS 30
36S	10			5.338	10
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36S	11   5.391	2+			11 0.2 PS GT
36S	12   5.462	3+			12
36S	13			5.509 (2,4)	13 0.19 PS 4
36S	14		5.573 1-		14 0.14 PS LT
36S	15			5.781	15
36S	16		5.831 3-		16
36S	17		6.187 3-		17 55 FS 20
36S	18   6.225	2+			18 20 FS LT
36S	19			6.350	19
36S	20		6.472 1-		20
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36S	21   6.514	4+			21 0.2 PS LT
36S	22			6.553	22
36S	23   6.690	(6+)			23
36S	24			7.120 (1,2)+	24 0.2 PS LT
36S	25			7.272 (3-,4-,5-	25
36S	26			7.710	26

S-p      =      13.095 ( 0.002) -----  
S-n      =      9.889 ( 0.000) -----  
S-2p     =      25.250 ( 0.001) -----  
S-2n     =      16.875 ( 0.000) -----  
S-alpha=      9.011 ( 0.000) -----

S+p      =      -8.386 ( 0.000)  
S+n      =      -4.304 ( 0.000)  
S+2p     =     -18.629 ( 0.000)  
S+2n     =     -12.340 ( 0.007)

S+alpha = -6.801 ( 0.000)

gap p = 4.709 ( 0.002)

gap n = 5.586 ( 0.000)

gap 2p = 6.622 ( 0.001)

gap 2n = 4.535 ( 0.007)

gap alpha = 2.211 ( 0.000)