

$^{35}\text{P}$        $Z = 15$        $N = 20$       adopted link      ENSDF link

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

BE = 295.619 ( 0.002) MeV

Qbeta- = 3.988 ( 0.002) MeV

	Energy T	J+	J-	J-other	T1/2
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35P 1	0.000	1/2+			1 47.3 S 8
35P 2	2.387	3/2+			2
35P 3	3.860	5/2+			3
35P 4			4.102	(7/2-)	4
35P 5				4.250	5
35P 6				4.382	6
35P 7			4.494	(7/2-)	7
35P 8	4.664	5/2+			8
35P 9				4.766	9
35P 10				4.869	10
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35P 11				4.959	11
35P 12				5.022	12
35P 13				5.088	13
35P 14	5.198	5/2+			14
35P 15				5.488	15
35P 16				5.561	16
35P 17				5.859	17
35P 18				6.220	18
35P 19				6.440	19
35P 20				7.050	20
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35P 21				7.440	21
35P 22				7.520	22
35P 23				7.590	23
35P 24				7.920	24
S-n =	8.380 ( 0.002)				
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35P 25				8.390	25
35P 26				8.600	26
35P 27				9.290	27

S-p = 12.155 ( 0.002) -----

S-n = 8.380 ( 0.002) -----

S-2p = 30.938 ( 0.007) -----

S-2n = 14.663 ( 0.002) -----

S-alpha= 12.332 ( 0.003) -----

S+p = -13.095 ( 0.002)

S+n = -3.465 ( 0.013)  
S+2p = -21.482 ( 0.002)  
S+2n = -10.281 ( 0.038)  
S+alpha = -7.367 ( 0.003)

gap p = -0.940 ( 0.003)  
gap n = 4.916 ( 0.013)  
gap 2p = 9.457 ( 0.007)  
gap 2n = 4.382 ( 0.038)  
gap alpha = 4.965 ( 0.004)