

^{54}V $Z = 23$ $N = 31$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 467.755 (0.011) MeV

Qbeta- = 7.037 (0.011) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|--------|----------|------|----|-----------|---------------|
| 54V 1 | 0.000 | 3+ | | | 1 49.8 S 5 |
| 54V 2 | 0.108 | (5)+ | | | 2 0.9 US 5 |
| 54V 3 | | | | 0.245 (4) | 3 |
| 54V 4 | | | | 0.291 | 4 |
| 54V 5 | | | | 0.447 | 5 |
| 54V 6 | | | | 0.495 | 6 |
| 54V 7 | | | | 0.540 | 7 |
| 54V 8 | | | | 0.703 | 8 |
| 54V 9 | | | | 0.745 | 9 |
| 54V 10 | | | | 0.770 | 10 |
| 54V 11 | | | | 0.847 | 11 |
| 54V 12 | 0.900 | 1+ | | | 12 |
| 54V 13 | | | | 0.940 | 13 |
| 54V 14 | | | | 0.968 | 14 |
| 54V 15 | | | | 1.208 | 15 |
| 54V 16 | | | | 1.215 (5) | 16 |
| 54V 17 | | | | 1.540 | 17 |
| 54V 18 | | | | 1.675 | 18 |
| 54V 19 | | | | 1.752 | 19 |
| 54V 20 | | | | 1.829 (6) | 20 |
| 54V 21 | | | | 1.865 | 21 |
| 54V 22 | | | | 1.934 | 22 |
| 54V 23 | | | | 1.987 | 23 |
| 54V 24 | | | | 2.123 | 24 |
| 54V 25 | | | | 2.298 (7) | 25 0.35 PS GT |
| 54V 26 | | | | 2.319 | 26 |
| 54V 27 | | | | 2.400 | 27 |
| 54V 28 | | | | 2.435 | 28 |
| 54V 29 | | | | 2.487 | 29 |

S-p = 10.306 (0.012) -----

S-n = 6.118 (0.012) -----

S-2p = 23.953 (0.012) -----

S-2n = 14.598 (0.011) -----

S-alpha= 7.786 (0.011) -----

S+p = -12.501 (0.011)
S+n = -7.298 (0.029)
S+2p = -21.591 (0.011)
S+2n = -12.428 (0.176)
S+alpha = -8.354 (0.012)

gap p = -2.195 (0.016)
gap n = -1.180 (0.031)
gap 2p = 2.361 (0.016)
gap 2n = 2.170 (0.177)
gap alpha = -0.568 (0.016)