

^{78}Ga $Z = 31$ $N = 47$ adopted link ENSDF link

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

BE = 669.014 (0.001) MeV

Qbeta- = 8.158 (0.004) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|---------|----------|------|----|-----------------|-------------|
| 78GA 1 | 0.000 | (3+) | | | 1 5.09 S 5 |
| 78GA 2 | | | | 0.281 (1+,2,3+) | 2 |
| 78GA 3 | | | | 0.342 (1+,2,3+) | 3 |
| 78GA 4 | | | | 0.454 | 4 |
| 78GA 5 | | | | 0.560 | 5 500 NS LT |
| 78GA 6 | | | | 0.636 (1+,2,3+) | 6 |
| 78GA 7 | | | | 0.728 (1+,2,3+) | 7 |
| 78GA 8 | 0.860 | 1+ | | | 8 |
| 78GA 9 | 0.958 | (1+) | | | 9 |
| 78GA 10 | 0.980 | 1+ | | | 10 |
| 78GA 11 | 1.031 | 1+ | | | 11 |
| 78GA 12 | | | | 1.048 0:3+ | 12 |
| 78GA 13 | | | | 1.123 (1) | 13 |
| 78GA 14 | | | | 1.398 0:3+ | 14 |
| 78GA 15 | 1.867 | 1+ | | | 15 |
| 78GA 16 | 2.206 | 1+ | | | 16 |
| 78GA 17 | | | | 2.627 (1+,2,3+) | 17 |
| 78GA 18 | 2.655 | 1+ | | | 18 |
| 78GA 19 | 2.831 | (1+) | | | 19 |
| 78GA 20 | 3.425 | (1+) | | | 20 |
| 78GA 21 | 3.554 | (1+) | | | 21 |

S-p = 12.204 (0.002) -----

S-n = 5.783 (0.003) -----

S-2p = 27.300 (0.001) -----

S-2n = 13.550 (0.002) -----

S-alpha= 10.123 (0.006) -----

S+p = -13.112 (0.037)

S+n = -6.916 (0.002)

S+2p = -23.088 (0.003)

S+2n = -11.662 (0.003)

S+alpha = -8.826 (0.004)

gap p = -0.908 (0.037)

gap n = -1.133 (0.003)

gap 2p = 4.212 (0.004)
gap 2n = 1.888 (0.004)
gap alpha = 1.296 (0.007)