

^{75}Ge $Z = 32$ $N = 43$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 652.171 (0.000) MeV

Qbeta- = 1.177 (0.001) MeV

| | Energy T | J+ | | J- | | J-other | T1/2 |
|---------|----------|------|--|-------|------|----------------------|-------------|
| 75GE 1 | | | | 0.000 | 1/2- | | 1 82.78 M 4 |
| 75GE 2 | | | | | | 0.062 | 2 |
| 75GE 3 | 0.140 | 7/2+ | | | | | 3 47.7 S 5 |
| 75GE 4 | 0.192 | 5/2+ | | | | | 4 216 NS 5 |
| 75GE 5 | 0.200 | 9/2+ | | | | | 5 |
| 75GE 6 | | | | 0.253 | 3/2- | | 6 |
| 75GE 7 | | | | 0.317 | 5/2- | | 7 |
| 75GE 8 | | | | 0.457 | 5/2- | | 8 |
| 75GE 9 | | | | 0.575 | 3/2- | | 9 |
| 75GE 10 | 0.584 | 5/2+ | | | | | 10 |
| 75GE 11 | | | | | | 0.651 5/2-,7/2- | 11 |
| 75GE 12 | 0.674 | 1/2+ | | | | | 12 |
| 75GE 13 | | | | | | 0.760 (7/2+,9/2+) | 13 |
| 75GE 14 | | | | | | 0.762 (3/2) | 14 |
| 75GE 15 | | | | | | 0.830 | 15 |
| 75GE 16 | | | | 0.885 | 1/2- | | 16 |
| 75GE 17 | | | | | | 0.902 | 17 |
| 75GE 18 | | | | | | 0.946 | 18 |
| 75GE 19 | | | | | | 0.987 (5/2,7/2,9/2)+ | 19 |
| 75GE 20 | | | | | | 1.062 (5/2:13/2)+ | 20 |
| 75GE 21 | | | | | | 1.081 | 21 |
| 75GE 22 | | | | | | 1.128 | 22 |
| 75GE 23 | | | | 1.137 | 3/2- | | 23 |
| 75GE 24 | 1.190 | 9/2+ | | | | | 24 |
| 75GE 25 | | | | | | 1.222 | 25 |
| 75GE 26 | | | | | | 1.241 (5/2)- | 26 |
| 75GE 27 | | | | | | 1.257 (7/2+) | 27 |
| 75GE 28 | | | | | | 1.335 | 28 |
| 75GE 29 | 1.394 | 5/2+ | | | | | 29 |
| 75GE 30 | 1.406 | 9/2+ | | | | | 30 |
| 75GE 31 | | | | | | 1.416 1/2-,3/2- | 31 |
| 75GE 32 | | | | | | 1.428 (1/2,3/2) | 32 |
| 75GE 33 | | | | | | 1.495 | 33 |
| 75GE 34 | | | | | | 1.502 1/2-,3/2- | 34 |
| 75GE 35 | | | | | | 1.502 7/2+,9/2+ | 35 |
| 75GE 36 | 1.514 | 1/2+ | | | | | 36 |
| 75GE 37 | 1.538 | 5/2+ | | | | | 37 |

| | | | | | | | | |
|---------|--|-------|------|--|--|-------|------------------|----|
| 75GE 38 | | | | | | 1.603 | 5/2-, 7/2- | 38 |
| 75GE 39 | | 1.682 | 9/2+ | | | | | 39 |
| 75GE 40 | | | | | | 1.688 | (1/2, 3/2, 5/2+) | 40 |
| ----- | | | | | | | | |
| 75GE 41 | | | | | | 1.696 | | 41 |
| 75GE 42 | | 1.718 | 5/2+ | | | | | 42 |
| 75GE 43 | | | | | | 1.758 | (1/2, 3/2) | 43 |
| 75GE 44 | | | | | | 1.796 | 1/2-, 3/2- | 44 |
| 75GE 45 | | 1.869 | 3/2+ | | | | | 45 |
| 75GE 46 | | 1.901 | 9/2+ | | | | | 46 |
| 75GE 47 | | 2.004 | 3/2+ | | | | | 47 |
| 75GE 48 | | | | | | 2.054 | | 48 |
| 75GE 49 | | | | | | 2.066 | (1/2, 3/2) | 49 |
| 75GE 50 | | | | | | 2.091 | (1/2, 3/2) | 50 |
| ----- | | | | | | | | |
| 75GE 51 | | | | | | 2.104 | | 51 |
| 75GE 52 | | | | | | 2.110 | | 52 |
| 75GE 53 | | | | | | 2.127 | (5/2:13/2)+ | 53 |
| 75GE 54 | | | | | | 2.151 | | 54 |
| 75GE 55 | | | | | | 2.197 | | 55 |
| 75GE 56 | | | | | | 2.215 | (5/2+) | 56 |
| 75GE 57 | | | | | | 2.281 | | 57 |
| 75GE 58 | | | | | | 2.312 | (1/2, 3/2) | 58 |
| 75GE 59 | | 2.320 | 9/2+ | | | | | 59 |
| 75GE 60 | | | | | | 2.321 | 1/2-, 3/2- | 60 |
| ----- | | | | | | | | |
| 75GE 61 | | | | | | 2.359 | 1/2-, 3/2- | 61 |
| 75GE 62 | | 2.383 | 5/2+ | | | | | 62 |
| 75GE 63 | | 2.384 | 9/2+ | | | | | 63 |
| 75GE 64 | | | | | | 2.478 | 7/2+, 9/2+ | 64 |
| 75GE 65 | | | | | | 2.494 | (1/2, 3/2) | 65 |
| 75GE 66 | | | | | | 2.527 | 3/2+, 5/2+ | 66 |
| 75GE 67 | | | | | | 2.534 | 5/2-, 7/2- | 67 |
| 75GE 68 | | | | | | 2.544 | (1/2, 3/2) | 68 |
| 75GE 69 | | | | | | 2.570 | 1/2-, 3/2- | 69 |
| 75GE 70 | | | | | | 2.574 | 3/2+, 5/2+ | 70 |
| ----- | | | | | | | | |
| 75GE 71 | | | | | | 2.661 | 1/2-, 3/2- | 71 |
| 75GE 72 | | | | | | 2.664 | (1/2, 3/2, 5/2) | 72 |
| 75GE 73 | | | | | | 2.665 | (LE 7/2) | 73 |
| 75GE 74 | | | | | | 2.680 | (1/2, 3/2) | 74 |
| 75GE 75 | | | | | | 2.740 | (3/2:15/2)- | 75 |
| 75GE 76 | | | | | | 2.744 | (1/2, 3/2) | 76 |
| 75GE 77 | | | | | | 2.749 | 3/2+, 5/2+ | 77 |
| 75GE 78 | | | | | | 2.757 | (1/2, 3/2) | 78 |
| 75GE 79 | | | | | | 2.759 | | 79 |
| 75GE 80 | | 2.781 | 9/2+ | | | | | 80 |
| ----- | | | | | | | | |
| 75GE 81 | | | | | | 2.784 | (1/2, 3/2) | 81 |
| 75GE 82 | | | | | | 2.835 | (3/2:15/2)- | 82 |

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|----------|-------|---------|-------|-------|-----------------|-----|
| 75GE 83 | | | | 2.836 | 3/2+,5/2+ | 83 |
| 75GE 84 | | | | 2.840 | (1/2,3/2) | 84 |
| 75GE 85 | | | | 2.853 | (3/2)- | 85 |
| 75GE 86 | | | | 2.866 | (1/2,3/2) | 86 |
| 75GE 87 | | | | 2.897 | (1/2,3/2) | 87 |
| 75GE 88 | | | | 2.928 | (1/2,3/2) | 88 |
| 75GE 89 | | | | 2.939 | (3/2:15/2)- | 89 |
| 75GE 90 | | | | 2.953 | (1/2,3/2) | 90 |
| ----- | | | | | | |
| 75GE 91 | | | | 2.964 | (1/2,3/2) | 91 |
| 75GE 92 | | | | 2.995 | (1/2,3/2) | 92 |
| 75GE 93 | | | | 3.004 | (1/2,3/2) | 93 |
| 75GE 94 | | | | 3.032 | 3/2+,5/2+ | 94 |
| 75GE 95 | | | | 3.042 | (9/2+) | 95 |
| 75GE 96 | | | | 3.049 | 3/2+,5/2+ | 96 |
| 75GE 97 | | 3.067 | 1/2+ | | | 97 |
| 75GE 98 | | 3.082 | 1/2+ | | | 98 |
| 75GE 99 | | | | 3.092 | (3/2:15/2)- | 99 |
| 75GE 100 | | | | 3.126 | 3/2+,5/2+ | 100 |
| ----- | | | | | | |
| 75GE 101 | | 3.136 | 9/2+ | | | 101 |
| 75GE 102 | | | | 3.162 | 1/2-,3/2- | 102 |
| 75GE 103 | | | | 3.170 | 1/2-,3/2- | 103 |
| 75GE 104 | | | | 3.202 | 1/2-,3/2- | 104 |
| 75GE 105 | | 3.214 | 5/2+ | | | 105 |
| 75GE 106 | | | | 3.227 | (1/2,3/2) | 106 |
| 75GE 107 | | | 3.280 | 7/2- | | 107 |
| 75GE 108 | | | | 3.290 | (3/2)+ | 108 |
| 75GE 109 | | | | 3.361 | 3/2+,5/2+ | 109 |
| 75GE 110 | | | | 3.370 | 7/2-,9/2-,11/2- | 110 |
| ----- | | | | | | |
| 75GE 111 | | | | 3.393 | 3/2+,5/2+ | 111 |
| 75GE 112 | | | | 3.438 | 3/2+,5/2+ | 112 |
| 75GE 113 | | | | 3.450 | 7/2-,9/2-,11/2- | 113 |
| 75GE 114 | | | | 3.494 | | 114 |
| 75GE 115 | | | | 3.532 | | 115 |
| 75GE 116 | | | | 3.560 | | 116 |
| 75GE 117 | | | | 3.626 | (-) | 117 |
| 75GE 118 | | | | 3.719 | (1/2+) | 118 |
| 75GE 119 | | | | 3.759 | | 119 |
| 75GE 120 | | | | 3.812 | | 120 |
| ----- | | | | | | |
| 75GE 121 | | | | 3.839 | | 121 |
| 75GE 122 | | | | 3.862 | | 122 |
| 75GE 123 | | 6.506 | 1/2+ | | | 123 |
| ----- | | | | | | |
| S-n = | 6.506 | (0.000) | ----- | | | |
| 75GE 124 | | 6.508 | 1/2+ | | | 124 |
| 75GE 125 | | 6.508 | 1/2+ | | | 125 |
| 75GE 126 | | 6.509 | 1/2+ | | | 126 |
| 75GE 127 | | 6.510 | 1/2+ | | | 127 |

| | | | | | | | | |
|----------|--|-------|------|--|--|--|--|-----|
| 75GE 128 | | 6.517 | 1/2+ | | | | | 128 |
| 75GE 129 | | 6.525 | 1/2+ | | | | | 129 |
| 75GE 130 | | 6.527 | 1/2+ | | | | | 130 |
| ----- | | | | | | | | |
| 75GE 131 | | 6.530 | 1/2+ | | | | | 131 |
| 75GE 132 | | 6.548 | 1/2+ | | | | | 132 |
| 75GE 133 | | 6.566 | 1/2+ | | | | | 133 |

S-p = 11.096 (0.003)-----
S-n = 6.506 (0.000)-----
S-2p = 20.842 (0.002)-----
S-2n = 16.702 (0.000)-----
S-alpha= 6.953 (0.003)-----

S+p = -7.723 (0.001)
S+n = -9.427 (0.000)
S+2p = -17.320 (0.000)
S+2n = -15.498 (0.000)
S+alpha = -6.485 (0.000)

gap p = 3.373 (0.003)
gap n = -2.921 (0.000)
gap 2p = 3.521 (0.002)
gap 2n = 1.204 (0.000)
gap alpha = 0.468 (0.003)