

^{26}Al $Z = 13$ $N = 13$ adopted link ENSDF link

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

BE = 211.894 (0.000) MeV

Qbeta+ = 4.004 (0.000) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|---------|----------|------|---------|----------------|----------------|
| 26AL 1 | 0.000 0 | 5+ | | | 1 7.17E+5 Y 24 |
| 26AL 2 | 0.228 1 | 0+ | | | 2 6.3460 S 8 |
| 26AL 3 | 0.417 0 | 3+ | | | 3 1.20 NS 1 |
| 26AL 4 | 1.058 0 | 1+ | | | 4 25 FS 5 |
| 26AL 5 | 1.759 0 | 2+ | | | 5 3.8 PS 6 |
| 26AL 6 | 1.851 0 | 1+ | | | 6 32 FS 3 |
| 26AL 7 | 2.069 0 | (4+) | | | 7 310 FS 50 |
| 26AL 8 | 2.069 1 | (2+) | | | 8 14 FS 2 |
| 26AL 9 | 2.072 0 | 1+ | | | 9 367 FS 69 |
| 26AL 10 | 2.365 0 | 3+ | | | 10 0.8 PS 2 |
| 26AL 11 | 2.545 0 | 3+ | | | 11 0.69 PS 17 |
| 26AL 12 | 2.661 0 | 2+ | | | 12 3 PS 3 |
| 26AL 13 | 2.740 0 | 1+ | | | 13 31 FS 3 |
| 26AL 14 | 2.913 0 | 2+ | | | 14 68 FS 4 |
| 26AL 15 | 3.074 0 | 3+ | | | 15 194 FS 31 |
| 26AL 16 | 3.160 1 | 2+ | | | 16 3.5 FS 7 |
| 26AL 17 | 3.403 0 | 5+ | | | 17 67 FS 12 |
| 26AL 18 | 3.508 0 | 6+ | | | 18 17 FS 3 |
| 26AL 19 | 3.596 0 | 3+ | | | 19 18 FS 3 |
| 26AL 20 | 3.675 0 | 4+ | | | 20 155 FS 20 |
| 26AL 21 | 3.681 0 | 3+ | | | 21 8.3 FS 14 |
| 26AL 22 | 3.724 0 | 1+ | | | 22 4.2 FS 14 |
| 26AL 23 | 3.751 0 | 2+ | | | 23 22 FS 6 |
| 26AL 24 | 3.754 1 | 0+ | | | 24 5 FS 2 |
| 26AL 25 | | | | 3.922 7+, (5+) | 25 19 FS 4 |
| 26AL 26 | 3.963 0 | (3+) | | | 26 37 FS 5 |
| 26AL 27 | | | 3.978 0 | 0- | 27 1.0 PS GT |
| 26AL 28 | 4.192 1 | (3+) | | | 28 5 FS 2 |
| 26AL 29 | 4.206 0 | (4+) | | | 29 62 FS 10 |
| 26AL 30 | 4.349 0 | 3+ | | | 30 9 FS 3 |
| 26AL 31 | | | 4.431 0 | 2- | 31 59 FS 13 |
| 26AL 32 | | | 4.480 0 | 0- | 32 62 FS 12 |
| 26AL 33 | 4.548 1 | 2+ | | | 33 11 FS LT |
| 26AL 34 | 4.599 1 | (3+) | | | 34 5 FS 2 |
| 26AL 35 | | | 4.622 0 | (2-) | 35 53 FS 18 |
| 26AL 36 | 4.705 1 | (4+) | | | 36 3 FS LT |

| | | | | | | | | | | | |
|---------|--|----------------|------------|--|---------|------|--|-----------------|--------|-------|----|
| 26AL 37 | | 4.773 0 | 4+ | | | | | 37 | 82 FS | 12 | |
| 26AL 38 | | | | | 4.940 0 | (1-) | | 38 | 69 FS | 14 | |
| 26AL 39 | | 4.941 0 | (5+) | | | | | 39 | 24 FS | 6 | |
| 26AL 40 | | 4.952 0 | (3+) | | | | | 40 | 10 FS | 3 | |
| ----- | | | | | | | | | | | |
| 26AL 41 | | | | | 5.007 0 | (2-) | | 41 | 120 FS | 30 | |
| 26AL 42 | | 5.010 0 | (1+) | | | | | 42 | 6 FS | LT | |
| 26AL 43 | | 5.132 1 | (4+) | | | | | 43 | 3 FS | LT | |
| 26AL 44 | | 5.142 1 | (2+) | | | | | 44 | 4 FS | LT | |
| 26AL 45 | | 5.195 1 | (0+) | | | | | 45 | 24 FS | LT | |
| 26AL 46 | | 5.245 0 | (4+) | | | | | 46 | 12 FS | 3 | |
| 26AL 47 | | | | | 5.396 0 | (4-) | | 47 | 65 FS | 50 | |
| 26AL 48 | | | | | 5.431 0 | (1-) | | 48 | 12 FS | 6 | |
| 26AL 49 | | | | | 5.457 0 | (3-) | | 49 | 17 FS | 4 | |
| 26AL 50 | | | | | | | | 5.462 0+, (1,2) | 50 | 20 FS | LT |
| ----- | | | | | | | | | | | |
| 26AL 51 | | | | | | | | 5.488 5+, (4-) | 51 | 17 FS | 6 |
| 26AL 52 | | 5.495 0 | (2+) | | | | | 52 | 5 FS | LT | |
| 26AL 53 | | 5.513 0 | (4+) | | | | | 53 | 35 FS | 4 | |
| 26AL 54 | | 5.545 1 | (2+) | | | | | 54 | 15 FS | 13 | |
| 26AL 55 | | | | | | | | 5.569 (4,5) | 55 | | |
| 26AL 56 | | | | | | | | 5.585 (1) | 56 | 6 FS | LT |
| 26AL 57 | | | | | | | | 5.598 (2,3)- | 57 | 19 FS | 7 |
| 26AL 58 | | 5.671 0 | 1+ | | | | | 58 | 30 FS | LT | |
| 26AL 59 | | | | | 5.676 0 | (4-) | | 59 | 22 FS | 10 | |
| 26AL 60 | | | | | 5.692 0 | (3-) | | 60 | 2.8 FS | 11 | |
| ----- | | | | | | | | | | | |
| 26AL 61 | | 5.726 1 | (4+) | | | | | 61 | 5 FS | LT | |
| 26AL 62 | | 5.849 0 | (2+) | | | | | 62 | 10 FS | 6 | |
| 26AL 63 | | 5.883 0 | (3+) | | | | | 63 | 12 FS | LT | |
| 26AL 64 | | | | | 5.916 0 | (2-) | | 64 | 2 FS | LT | |
| 26AL 65 | | 5.924 1 | (4+) | | | | | 65 | 12 FS | LT | |
| 26AL 66 | | 5.950 0 | 1(+) | | | | | 66 | 30 FS | LT | |
| 26AL 67 | | 6.028 1 | (1+) | | | | | 67 | 4 FS | LT | |
| 26AL 68 | | | | | 6.084 0 | (5-) | | 68 | 90 FS | 20 | |
| 26AL 69 | | | | | | | | 6.086 (1-,2+) | 69 | 14 FS | 11 |
| 26AL 70 | | 6.120 0 | (4 TO 6 +) | | | | | 70 | 10 FS | 3 | |
| ----- | | | | | | | | | | | |
| 26AL 71 | | | | | | | | 6.198 (1,2+) | 71 | | |
| 26AL 72 | | | | | | | | 6.238 (1) | 72 | 7 FS | LT |
| 26AL 73 | | | | | 6.254 0 | (3-) | | 73 | | | |
| 26AL 74 | | 6.270 0 | 1+ | | | | | 74 | 9 FS | LT | |
| 26AL 75 | | 6.280 0 | (3+) | | | | | 75 | 14 FS | LT | |
| S-p = | | 6.306 (0.000) | | | | | | | | | |
| 26AL 76 | | | | | 6.343 0 | (3-) | | 76 | 6 FS | LT | |
| 26AL 77 | | 6.364 1 | (3+) | | | | | 77 | 22 FS | 11 | |
| 26AL 78 | | | | | | | | 6.399 (1+,2) | 78 | | |
| 26AL 79 | | 6.414 1 | (0 TO 2) | | | | | 79 | | | |
| 26AL 80 | | 6.436 0 | (3 TO 5) | | | | | 80 | 17 FS | LT | |
| ----- | | | | | | | | | | | |

| | | | | | | | | | |
|----------|--|-----------|-----------|--|-----------|------|------------------|---------|------------|
| 26AL 81 | | 6.496 0 | (3 TO 5) | | | | 81 | 8 FS | LT |
| 26AL 82 | | | | | | | 6.551 (4+,5-) | | 82 |
| 26AL 83 | | 6.598 0 | (5+) | | | | | | 83 |
| 26AL 84 | | | | | 6.610 0 | (3-) | | | 84 |
| 26AL 85 | | 6.680 0 | (2+) | | | | | 1.2 EV | 3 |
| 26AL 86 | | | | | | | 6.695 (7) | | 86 |
| 26AL 87 | | | | | 6.724 0 | (4-) | | | 87 |
| 26AL 88 | | | | | 6.784 0 | (2-) | | | 88 |
| 26AL 89 | | | | | 6.789 0 | (3-) | | | 89 |
| 26AL 90 | | 6.801 0 | (3+) | | | | | 0.34 EV | 6 |
| ----- | | | | | | | | | |
| 26AL 91 | | | | | | | 6.802 1+, (1-,2- | 91 | 0.34 EV 6 |
| 26AL 92 | | | | | | | 6.816 6+, (4,5) | 92 | 15 FS LT |
| 26AL 93 | | 6.818 1 | (4+) | | | | | 93 | 0.7 EV 3 |
| 26AL 94 | | 6.852 1+0 | (2+) | | | | | 94 | |
| 26AL 95 | | 6.874 0 | 1+ | | | | | 95 | 0.43 EV 23 |
| 26AL 96 | | 6.876 1 | (2+) | | | | | 96 | |
| 26AL 97 | | | | | 6.892 0 | (6-) | | 97 | |
| 26AL 98 | | 6.936 0 | (1+) | | | | | 98 | |
| 26AL 99 | | | | | 6.964 1 | (3-) | | 99 | |
| 26AL 100 | | 7.001 0 | (2+) | | | | | 100 | |
| ----- | | | | | | | | | |
| 26AL 101 | | 7.015 0 | (5+) | | | | | 101 | 0.18 EV 5 |
| 26AL 102 | | 7.051 0 | (3+) | | | | | 102 | 0.95 EV 11 |
| 26AL 103 | | | | | 7.086 1 | 1- | | 103 | |
| 26AL 104 | | 7.093 0 | (2+) | | | | | 104 | 0.68 EV 12 |
| 26AL 105 | | | | | 7.109 0 | (4)- | | 105 | 75 EV 20 |
| 26AL 106 | | | | | 7.142 0(+ | (2)- | | 106 | 200 EV 50 |
| 26AL 107 | | 7.153 0 | (3)+ | | | | | 107 | 90 EV 25 |
| 26AL 108 | | | | | 7.161 0 | (3)- | | 108 | 90 EV 25 |
| 26AL 109 | | | | | 7.168 0 | (4)- | | 109 | 80 EV 20 |
| 26AL 110 | | 7.198 0 | 1+ | | | | | 110 | |
| ----- | | | | | | | | | |
| 26AL 111 | | 7.222 1 | (5+) | | | | | 111 | |
| 26AL 112 | | | | | 7.238 0 | (3)- | | 112 | 100 EV 25 |
| 26AL 113 | | | | | 7.254 1(+ | (2)- | | 113 | 3.4 KEV 5 |
| 26AL 114 | | | | | | | 7.286 0-, (1,2) | 114 | |
| 26AL 115 | | | | | | | 7.291 (4,3)+ | 115 | 55 EV 15 |
| 26AL 116 | | 7.308 1 | (2+) | | | | | 116 | |
| 26AL 117 | | | | | 7.348 1(+ | (4)- | | 117 | 1.3 KEV 2 |
| 26AL 118 | | 7.366 0 | (5+) | | | | | 118 | |
| 26AL 119 | | 7.397 0 | (2)+ | | | | | 119 | 45 EV 11 |
| 26AL 120 | | | | | 7.399 1 | (3)- | | 120 | 1.9 KEV 3 |
| ----- | | | | | | | | | |
| 26AL 121 | | | | | 7.410 1(+ | (4)- | | 121 | 230 EV 60 |
| 26AL 122 | | 7.425 0 | (4)+ | | | | | 122 | 65 EV 15 |
| 26AL 123 | | | | | | | 7.439 0, (1,2) | 123 | |
| 26AL 124 | | | | | 7.444 0 | (1)- | | 124 | 45 EV 10 |
| 26AL 125 | | 7.455 0 | 1+ | | | | | 125 | |
| 26AL 126 | | 7.464 0+1 | (3+) | | | | | 126 | |

| | | | | | | | | |
|----------|--|----------------|--|----------------|--|---------------|---------|-------------|
| 26AL 127 | | 7.495 0+1 (3)+ | | | | 127 | 80 EV | 20 |
| 26AL 128 | | | | 7.497 0(+ (2)- | | 128 | 750 EV | 200 |
| 26AL 129 | | | | 7.529 0 (6-) | | 129 | | |
| 26AL 130 | | | | 7.540 1 (2)- | | 130 | 2.1 KEV | 3 |
| ----- | | | | | | | | |
| 26AL 131 | | | | 7.548 0 (5-) | | 131 | | |
| 26AL 132 | | 7.558 0 (2)+ | | | | 132 | 170 EV | 40 |
| 26AL 133 | | 7.561 1 (2)+ | | | | 133 | 3.1 KEV | 5 |
| 26AL 134 | | | | | | 7.592 (4,3)+ | 134 | 17 EV 4 |
| 26AL 135 | | 7.596 0 (5+) | | | | | 135 | |
| 26AL 136 | | | | 7.605 0(+ (2)- | | | 136 | 500 EV 80 |
| 26AL 137 | | 7.623 0 (1+) | | | | | 137 | |
| 26AL 138 | | 7.628 1 (5+) | | | | | 138 | 10 EV 3 |
| 26AL 139 | | | | | | 7.648 (1+,2+) | 139 | 23 EV 14 |
| 26AL 140 | | | | 7.762 0 (3)- | | | 140 | |
| ----- | | | | | | | | |
| 26AL 141 | | 7.772 0 (3+) | | | | | 141 | |
| 26AL 142 | | | | 7.773 0 (1)- | | | 142 | 5.3 KEV 8 |
| 26AL 143 | | 7.814 0+1 1+ | | | | | 143 | 2.7 KEV 3 |
| 26AL 144 | | | | 7.825 0 (4)- | | | 144 | 930 EV 140 |
| 26AL 145 | | 7.832 0 (4)+ | | | | | 145 | 110 EV 30 |
| 26AL 146 | | 7.865 0(+ (2)+ | | | | | 146 | 6.6 KEV 10 |
| 26AL 147 | | 7.874 0 (3)+ | | | | | 147 | 1.2 KEV 2 |
| 26AL 148 | | 7.880 0+1 (1+) | | | | | 148 | 3.7 KEV 4 |
| 26AL 149 | | 7.891 1 (4+) | | | | | 149 | 900 EV 140 |
| 26AL 150 | | | | | | 7.921 (5+,6+) | 150 | |
| ----- | | | | | | | | |
| 26AL 151 | | 7.939 1 (3)+ | | | | | 151 | 1.7 KEV 3 |
| 26AL 152 | | 7.953 1 (4)+ | | | | | 152 | 320 EV 50 |
| 26AL 153 | | 7.982 1 (2)+ | | | | | 153 | 12 KEV 2 |
| 26AL 154 | | | | 8.001 1 (1)- | | | 154 | 850 EV 130 |
| 26AL 155 | | 8.008 (0) (2)+ | | | | | 155 | 850 EV 130 |
| 26AL 156 | | | | 8.011 1 (5)- | | | 156 | 140 EV 40 |
| 26AL 157 | | | | | | 8.036 | 157 | |
| 26AL 158 | | | | 8.047 (3)- | | | 158 | 1.9 KEV 3 |
| 26AL 159 | | 8.064 (2)+ | | | | | 159 | 7.3 KEV 11 |
| 26AL 160 | | | | 8.067 1 (5)- | | | 160 | 200 EV 50 |
| ----- | | | | | | | | |
| 26AL 161 | | 8.116 (3+) | | | | | 161 | 5.9 KEV 9 |
| 26AL 162 | | | | | | 8.130 (1-,2-) | 162 | 1.2 KEV 2 |
| 26AL 163 | | | | 8.131 (3-) | | | 163 | 2.7 KEV 4 |
| 26AL 164 | | | | 8.164 (1-) | | | 164 | 10.5 KEV 16 |
| 26AL 165 | | 8.174 (3+) | | | | | 165 | 23 KEV 3 |
| 26AL 166 | | | | | | 8.186 (4+,5+) | 166 | |
| 26AL 167 | | 8.227 (4+) | | | | | 167 | 0.61 KEV 9 |
| 26AL 168 | | | | 8.249 (2-) | | | 168 | 11 KEV 2 |
| 26AL 169 | | | | 8.256 (4-) | | | 169 | 0.25 KEV 6 |
| 26AL 170 | | | | 8.261 (3-) | | | 170 | 9.6 KEV 14 |
| ----- | | | | | | | | |
| 26AL 171 | | | | 8.272 (2-) | | | 171 | 8.2 KEV 12 |

| | | | | | | | | | | |
|----------|--|--------|----------|--|--------|--------|-----|--------------|---------|-----|
| 26AL 172 | | 8.294 | (3+) | | | | 172 | 25 KEV | 4 | |
| 26AL 173 | | | | | 8.310 | (2-) | | 173 | 1.5 KEV | 2 |
| 26AL 174 | | | | | 8.347 | (3-) | | 174 | 40 KEV | 6 |
| 26AL 175 | | | | | | | | 8.369 | | 175 |
| 26AL 176 | | | | | | | | 8.531 (4) | | 176 |
| 26AL 177 | | | | | | | | 8.602 (5,6)+ | | 177 |
| 26AL 178 | | 8.747 | (1) (6+) | | | | | | | 178 |
| 26AL 179 | | | | | | | | 8.774 | | 179 |
| 26AL 180 | | | | | | | | 8.815 | | 180 |
| ----- | | | | | | | | | | |
| 26AL 181 | | | | | | | | 8.924 (4) | | 181 |
| 26AL 182 | | | | | | | | 9.007 | | 182 |
| 26AL 183 | | | | | | | | 9.060 (4) | | 183 |
| 26AL 184 | | | | | | | | 9.271 | | 184 |
| 26AL 185 | | | | | | | | 9.286 (5) | | 185 |
| 26AL 186 | | | | | | | | 9.311 (3+,4) | | 186 |
| 26AL 187 | | | | | | | | 9.397 | | 187 |
| S-alpha= | | 9.454 | (0.000) | | ----- | | | | | |
| 26AL 188 | | | | | | | | 9.547 | | 188 |
| 26AL 189 | | | | | | | | 9.620 | | 189 |
| 26AL 190 | | | | | | | | 9.720 | | 190 |
| ----- | | | | | | | | | | |
| 26AL 191 | | | | | | | | 9.860 | | 191 |
| 26AL 192 | | | | | 9.960 | 0 (5-) | | | | 192 |
| 26AL 193 | | 9.986 | 1 (7+) | | | | | | | 193 |
| 26AL 194 | | | | | | | | 10.240 | | 194 |
| 26AL 195 | | | | | | | | 10.450 | | 195 |
| 26AL 196 | | | | | 10.660 | 0 (6-) | | | | 196 |
| 26AL 197 | | | | | | | | 10.810 | | 197 |
| 26AL 198 | | | | | | | | 11.220 | | 198 |
| S-n = | | 11.365 | (0.000) | | ----- | | | | | |
| 26AL 199 | | | | | | | | 11.500 | | 199 |
| 26AL 200 | | | | | | | | 11.620 | | 200 |
| ----- | | | | | | | | | | |
| 26AL 201 | | | | | | | | 11.970 | | 201 |
| 26AL 202 | | | | | | | | 12.405 | | 202 |
| 26AL 203 | | | | | | | | 12.554 | | 203 |
| 26AL 204 | | | | | | | | 13.250 | | 204 |
| 26AL 205 | | 13.570 | (1+) | | | | | | | 205 |
| 26AL 206 | | | | | 13.910 | 0 (6-) | | | | 206 |
| 26AL 207 | | | | | | | | 14.050 | | 207 |
| 26AL 208 | | | | | | | | 14.530 | | 208 |
| 26AL 209 | | | | | | | | 14.744 | | 209 |
| 26AL 210 | | | | | | | | 14.880 | | 210 |
| ----- | | | | | | | | | | |
| 26AL 211 | | | | | | | | 15.371 | | 211 |
| 26AL 212 | | | | | | | | 15.910 | | 212 |
| 26AL 213 | | | | | | | | 16.550 | | 213 |
| 26AL 214 | | | | | | | | 18.320 | | 214 |

```
S-p    =  6.306 ( 0.000) -----  
S-n    = 11.365 ( 0.000) -----  
S-2p   = 18.370 ( 0.000) -----  
S-2n   = 28.304 ( 0.000) -----  
S-alpha=  9.454 ( 0.000) -----  
  
S+p    =  -7.463 ( 0.000)  
S+n    = -13.058 ( 0.000)  
S+2p   =  -9.516 ( 0.001)  
S+2n   = -20.783 ( 0.000)  
S+alpha = -10.416 ( 0.000)  
  
gap p   =  -1.157 ( 0.000)  
gap n   =  -1.693 ( 0.000)  
gap 2p  =   8.855 ( 0.001)  
gap 2n  =   7.521 ( 0.000)  
gap alpha = -0.962 ( 0.000)
```