

^{192}Pt $Z = 78$ $N = 114$ [link to full NNDC output](#)

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

BE = 1524.958 (0.002) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|----------|-----------------|----|----------|---------------|---------------|
| ----- | | | | | |
| S-alpha= | -2.424 (0.003) | | | | |
| 192PT 1 | 0.000 | 0+ | | | 1 STABLE |
| 192PT 2 | 0.317 | 2+ | | | 2 43.7 PS 9 |
| 192PT 3 | 0.612 | 2+ | | | 3 26.5 PS 15 |
| 192PT 4 | 0.785 | 4+ | | | 4 4.2 PS 2 |
| 192PT 5 | 0.921 | 3+ | | | 5 21.3 PS 21 |
| 192PT 6 | 1.195 | 0+ | | | 6 |
| 192PT 7 | 1.201 | 4+ | | | 7 |
| 192PT 8 | 1.365 | 6+ | | | 8 1.8 PS 7 |
| 192PT 9 | | | 1.378 3- | | 9 41 PS 9 |
| 192PT 10 | | | | 1.384 (5)- | 10 |
| ----- | | | | | |
| 192PT 11 | 1.406 | 3+ | | | 11 |
| 192PT 12 | 1.439 | 2+ | | | 12 |
| 192PT 13 | 1.482 | 5+ | | | 13 |
| 192PT 14 | | | | 1.518 (7)- | 14 1.85 NS 17 |
| 192PT 15 | | | | 1.547 (0+) | 15 |
| 192PT 16 | 1.576 | 2+ | | | 16 |
| 192PT 17 | 1.629 | 0+ | | | 17 |
| 192PT 18 | | | | 1.667 (2,3,4) | 18 |
| 192PT 19 | | | | 1.739 (1)- | 19 |
| 192PT 20 | | | | 1.746 (6)- | 20 |
| ----- | | | | | |
| 192PT 21 | | | | 1.766 (2,3)+ | 21 |
| 192PT 22 | | | | 1.794 (2)+ | 22 |
| 192PT 23 | | | | 1.800 | 23 |
| 192PT 24 | | | | 1.857 | 24 |
| 192PT 25 | 1.869 | 6+ | | | 25 |
| 192PT 26 | 1.880 | 3+ | | | 26 |
| 192PT 27 | 1.882 | 0+ | | | 27 |
| 192PT 28 | | | | 1.894 (2,3)- | 28 |
| 192PT 29 | | | | 1.898 | 29 |
| 192PT 30 | | | | 1.935 (4+) | 30 |
| ----- | | | | | |
| 192PT 31 | | | | 1.965 (8)- | 31 |
| 192PT 32 | | | | 1.972 | 32 |
| 192PT 33 | | | | 1.976 (2)+ | 33 |
| 192PT 34 | | | | 1.982 | 34 |
| 192PT 35 | | | | 2.017 | 35 |
| 192PT 36 | 2.018 | 8+ | | | 36 |
| 192PT 37 | | | | 2.042 (2-,3-) | 37 |

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|----------|--|-------|----|--|--|-------|----------|--|--------------|
| 192PT 38 | | | | | | 2.048 | (2)+ | | 38 |
| 192PT 39 | | | | | | 2.068 | | | 39 |
| 192PT 40 | | 2.074 | 2+ | | | | | | 40 |
| ----- | | | | | | | | | |
| 192PT 41 | | | | | | 2.097 | | | 41 |
| 192PT 42 | | | | | | 2.103 | (9)- | | 42 |
| 192PT 43 | | 2.111 | 0+ | | | | | | 43 |
| 192PT 44 | | 2.113 | 7+ | | | | | | 44 |
| 192PT 45 | | | | | | 2.120 | (2+) | | 45 |
| 192PT 46 | | | | | | 2.130 | (1-) | | 46 |
| 192PT 47 | | | | | | 2.136 | | | 47 |
| 192PT 48 | | | | | | 2.143 | (3)- | | 48 |
| 192PT 49 | | 2.149 | 1+ | | | | | | 49 |
| 192PT 50 | | | | | | 2.162 | | | 50 |
| ----- | | | | | | | | | |
| 192PT 51 | | | | | | 2.163 | | | 51 |
| 192PT 52 | | 2.171 | 2+ | | | | | | 52 |
| 192PT 53 | | | | | | 2.172 | (10)- | | 53 272 NS 23 |
| 192PT 54 | | | | | | 2.183 | | | 54 |
| 192PT 55 | | | | | | 2.191 | (2+,3-) | | 55 |
| 192PT 56 | | | | | | 2.199 | | | 56 |
| 192PT 57 | | | | | | 2.209 | | | 57 |
| 192PT 58 | | | | | | 2.217 | (2)+ | | 58 |
| 192PT 59 | | | | | | 2.237 | (1,2)+ | | 59 |
| 192PT 60 | | | | | | 2.238 | (2)+ | | 60 |
| ----- | | | | | | | | | |
| 192PT 61 | | | | | | 2.257 | (2)- | | 61 |
| 192PT 62 | | | | | | 2.265 | | | 62 |
| 192PT 63 | | | | | | 2.287 | | | 63 |
| 192PT 64 | | | | | | 2.296 | (1,2)+ | | 64 |
| 192PT 65 | | | | | | 2.301 | | | 65 |
| 192PT 66 | | | | | | 2.313 | (8,9,10) | | 66 |
| 192PT 67 | | 2.319 | 1+ | | | | | | 67 |
| 192PT 68 | | | | | | 2.321 | | | 68 |
| 192PT 69 | | 2.335 | 1+ | | | | | | 69 |
| 192PT 70 | | | | | | 2.343 | | | 70 |
| ----- | | | | | | | | | |
| 192PT 71 | | | | | | 2.349 | | | 71 |
| 192PT 72 | | | | | | 2.366 | | | 72 |
| 192PT 73 | | | | | | 2.375 | (1,2)+ | | 73 |
| 192PT 74 | | | | | | 2.378 | | | 74 |
| 192PT 75 | | | | | | 2.386 | | | 75 |
| 192PT 76 | | | | | | 2.394 | | | 76 |
| 192PT 77 | | | | | | 2.399 | (1,2)+ | | 77 |
| 192PT 78 | | | | | | 2.403 | | | 78 |
| 192PT 79 | | | | | | 2.408 | (2)+ | | 79 |
| 192PT 80 | | | | | | 2.415 | | | 80 |
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| 192PT 81 | | | | | | 2.420 | | | 81 |
| 192PT 82 | | | | | | 2.423 | (1,2)+ | | 82 |

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| 192PT 83 | | 2.435 | 3+ | | | | | 83 |
| 192PT 84 | | 2.453 | 2+ | | | | | 84 |
| 192PT 85 | | | | | | 2.456 | | 85 |
| 192PT 86 | | | | | | 2.470 | | 86 |
| 192PT 87 | | 2.472 | 2+ | | | | | 87 |
| 192PT 88 | | | | | | 2.478 | | 88 |
| 192PT 89 | | | | | | 2.484 | LE3 | 89 |
| 192PT 90 | | | | | | 2.486 | (2)- | 90 |
| ----- | | | | | | | | |
| 192PT 91 | | 2.491 | 0+ | | | | | 91 |
| 192PT 92 | | 2.500 | 0+ | | | | | 92 |
| 192PT 93 | | | | | | 2.509 | (2,3)+ | 93 |
| 192PT 94 | | | | | | 2.512 | (11)- | 94 |
| 192PT 95 | | | | | | 2.512 | | 95 |
| 192PT 96 | | | | | | 2.519 | (10)+ | 96 |
| 192PT 97 | | | | | | 2.523 | (10+) | 97 |
| 192PT 98 | | | | | | 2.530 | (10-) | 98 |
| 192PT 99 | | 2.532 | 1+ | | | | | 99 |
| 192PT 100 | | | | | | 2.537 | | 100 |
| ----- | | | | | | | | |
| 192PT 101 | | | | | | 2.546 | | 101 |
| 192PT 102 | | | | | | 2.549 | (2)+ | 102 |
| 192PT 103 | | | | | | 2.557 | | 103 |
| 192PT 104 | | | | | | 2.560 | (1+,2) | 104 |
| 192PT 105 | | | | | | 2.563 | (2)+ | 105 |
| 192PT 106 | | | | | | 2.565 | | 106 |
| 192PT 107 | | | | | | 2.573 | | 107 |
| 192PT 108 | | | | | | 2.583 | (10+) | 108 |
| 192PT 109 | | | | | | 2.585 | (2)+ | 109 |
| 192PT 110 | | 2.591 | 8+ | | | | | 110 |
| ----- | | | | | | | | |
| 192PT 111 | | | | | | 2.603 | (2)+ | 111 |
| 192PT 112 | | | | | | 2.605 | (1,2)- | 112 |
| 192PT 113 | | | | | | 2.607 | | 113 |
| 192PT 114 | | | | | | 2.614 | (2+) | 114 |
| 192PT 115 | | | | | | 2.624 | (12)+ | 115 |
| 192PT 116 | | | | | | 2.626 | | 116 |
| 192PT 117 | | | | | | 2.627 | (12)- | 117 |
| 192PT 118 | | 2.629 | 2+ | | | | | 118 |
| 192PT 119 | | 2.635 | 1+ | | | | | 119 |
| 192PT 120 | | | | | | 2.641 | (12+) | 120 |
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| 192PT 121 | | | | | | 2.645 | | 121 |
| 192PT 122 | | | | | | 2.647 | (2)- | 122 |
| 192PT 123 | | | | | | 2.653 | | 123 |
| 192PT 124 | | | | | | 2.658 | (1,2)+ | 124 |
| 192PT 125 | | | | | | 2.674 | | 125 |
| 192PT 126 | | | | | | 2.684 | | 126 |
| 192PT 127 | | | | | | 2.703 | | 127 |
| 192PT 128 | | | | | | 2.709 | (11)- | 128 |

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| 192PT 129 | | | | 2.709 | | 129 |
| 192PT 130 | | | | 2.721 | | 130 |
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| 192PT 131 | | 2.729 | 10+ | | | 131 |
| 192PT 132 | | | | 2.731 | (2)- | 132 |
| 192PT 133 | | | | 2.732 | | 133 |
| 192PT 134 | | | | 2.743 | (0+) | 134 |
| 192PT 135 | | | | 2.757 | | 135 |
| 192PT 136 | | | | 2.764 | | 136 |
| 192PT 137 | | | | 2.771 | (13+) | 137 |
| 192PT 138 | | | | 2.775 | | 138 |
| 192PT 139 | | | | 2.784 | | 139 |
| 192PT 140 | | | | 2.793 | | 140 |
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| 192PT 141 | | | | 2.794 | (LE2) | 141 |
| 192PT 142 | | | | 2.800 | | 142 |
| 192PT 143 | | | | 2.812 | | 143 |
| 192PT 144 | | | | 2.833 | (1,2,3)+ | 144 |
| 192PT 145 | | | | 2.835 | (2+) | 145 |
| 192PT 146 | | | | 2.842 | | 146 |
| 192PT 147 | | | | 2.856 | (2)- | 147 |
| 192PT 148 | | | | 2.857 | (2-) | 148 |
| 192PT 149 | | | | 2.891 | (2)- | 149 |
| 192PT 150 | | | | 2.933 | (12)+ | 150 |
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| 192PT 151 | | | | 2.936 | (12+) | 151 |
| 192PT 152 | | | | 2.946 | (11)+ | 152 |
| 192PT 153 | | | | 2.947 | (2-) | 153 |
| 192PT 154 | | | | 2.950 | | 154 |
| 192PT 155 | | | | 2.950 | (1,2+) | 155 |
| 192PT 156 | | | | 2.959 | (2,3)- | 156 |
| 192PT 157 | | | | 2.998 | (14)+ | 157 |
| 192PT 158 | | | | 3.022 | (13-) | 158 |
| 192PT 159 | | | | 3.027 | (2,3)- | 159 |
| 192PT 160 | | | | 3.031 | (LE3) | 160 |
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| 192PT 161 | | | | 3.068 | (14+) | 161 |
| 192PT 162 | | | | 3.080 | (14+) | 162 |
| 192PT 163 | | | | 3.082 | (12-) | 163 |
| 192PT 164 | | | | 3.127 | (1-,2-) | 164 |
| 192PT 165 | | | | 3.137 | (12+) | 165 |
| 192PT 166 | | | | 3.156 | (2,3)- | 166 |
| 192PT 167 | | | | 3.185 | (15+) | 167 |
| 192PT 168 | | | | 3.190 | (2,3-) | 168 |
| 192PT 169 | | | | 3.226 | (13+) | 169 |
| 192PT 170 | | | | 3.358 | (13-) | 170 |
| ----- | | | | | | |
| 192PT 171 | | | | 3.400 | | 171 |
| 192PT 172 | | | | 3.505 | (16+) | 172 |
| 192PT 173 | | | | 3.542 | (16)+ | 173 |

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|-----------|--|--|-------|-------|-----|
| 192PT 174 | | | 3.569 | | 174 |
| 192PT 175 | | | 3.674 | | 175 |
| 192PT 176 | | | 3.674 | (17+) | 176 |
| 192PT 177 | | | 3.695 | (15)- | 177 |
| 192PT 178 | | | 3.779 | (18+) | 178 |
| 192PT 179 | | | 3.883 | | 179 |
| 192PT 180 | | | 3.924 | (17-) | 180 |
| ----- | | | | | |
| 192PT 181 | | | 4.160 | | 181 |
| 192PT 182 | | | 4.200 | (20+) | 182 |
| 192PT 183 | | | 4.204 | (18)+ | 183 |
| 192PT 184 | | | 4.320 | | 184 |
| 192PT 185 | | | 4.951 | (20+) | 185 |

S-p = 6.869 (0.003)-----
S-n = 8.661 (0.005)-----
S-2p = 12.158 (0.003)-----
S-2n = 15.125 (0.003)-----
S-alpha= -2.424 (0.003)-----

S+p = -4.405 (0.009)
S+n = -6.262 (0.003)
S+2p = -10.474 (0.004)
S+2n = -14.614 (0.003)
S+alpha = 2.037 (0.004)

gap p = 2.463 (0.009)
gap n = 2.399 (0.006)
gap 2p = 1.685 (0.005)
gap 2n = 0.510 (0.004)
gap alpha = -0.386 (0.005)