

^{206}Po $Z = 84$ $N = 122$ adopted link ENSDF link

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

BE = 1615.163 (0.004) MeV

Qbeta+ = 1.840 (0.009) MeV

| | Energy T | J+ | | J- | J-other | T1/2 |
|----------|----------|----------|-------|-------|------------------|--------------|
| ----- | | | | | | |
| S-alpha= | -5.327 | (0.006) | ----- | | | |
| ----- | | | | | | |
| 206PO 1 | 0.000 | 0+ | | | | 1 8.8 D 1 |
| 206PO 2 | 0.701 | 2+ | | | | 2 |
| 206PO 3 | 1.162 | 2+ | | | | 3 |
| 206PO 4 | 1.178 | 4+ | | | | 4 |
| 206PO 5 | 1.434 | 4+ | | | | 5 |
| 206PO 6 | 1.546 | 4+ | | | | 6 |
| 206PO 7 | 1.565 | (3)+ | | | | 7 |
| 206PO 8 | 1.573 | 6+ | | | | 8 |
| 206PO 9 | 1.586 | 8+ | | | | 9 232 NS 4 |
| 206PO 10 | 1.916 | (4)+ | | | | 10 |
| ----- | | | | | | |
| 206PO 11 | 2.101 | (5)+ | | | | 11 |
| 206PO 12 | | | | | 2.139 (4+,5+) | 12 |
| 206PO 13 | 2.200 | 8+ | | | | 13 |
| 206PO 14 | | | | 2.262 | 9- | 14 1.05 US 6 |
| 206PO 15 | 2.303 | (5+) | | | | 15 |
| 206PO 16 | 2.419 | 10+ | | | | 16 |
| 206PO 17 | 2.423 | (9+) | | | | 17 |
| 206PO 18 | | | | | 2.432 (9,10) | 18 |
| 206PO 19 | | | | | 2.501 5+,6+ | 19 |
| 206PO 20 | | | | | 2.582 (4+,5+,6+) | 20 |
| ----- | | | | | | |
| 206PO 21 | 2.613 | 10+ | | | | 21 |
| 206PO 22 | | | | 2.656 | 11- | 22 0.5 NS 1 |
| 206PO 23 | 2.781 | 11+ | | | | 23 |
| 206PO 24 | 2.902 | 12+ | | | | 24 |
| 206PO 25 | | | | | 2.917 (4+,5+,6+) | 25 |
| 206PO 26 | | | | 3.068 | 11- | 26 |
| 206PO 27 | 3.210 | 12+ | | | | 27 |
| 206PO 28 | 3.362 | (+) | | | | 28 |
| 206PO 29 | | | | | 3.396 | 29 |
| 206PO 30 | | | | 3.463 | 13- | 30 |
| ----- | | | | | | |
| 206PO 31 | | | | 3.486 | 13- | 31 |
| 206PO 32 | | | | 3.549 | 14- | 32 |
| 206PO 33 | | | | 3.558 | 12- | 33 |
| 206PO 34 | | | | 3.567 | 15- | 34 |
| 206PO 35 | 3.595 | (+) | | | | 35 |

| | | | | | | | | | |
|-------|----|--|-------|----------|--|-------|-------|------------|----|
| 206P0 | 36 | | | | | | 3.704 | | 36 |
| 206P0 | 37 | | 3.872 | (+) | | | | | 37 |
| 206P0 | 38 | | | | | 3.952 | 14- | | 38 |
| 206P0 | 39 | | | | | | | 4.039 | 39 |
| 206P0 | 40 | | | | | 4.163 | 16- | | 40 |
| ----- | | | | | | | | | |
| 206P0 | 41 | | | | | | | 4.231 | 41 |
| 206P0 | 42 | | 4.410 | (+) | | | | | 42 |
| S-p | = | | 4.412 | (0.006) | | ----- | | | |
| 206P0 | 43 | | | | | | | 4.420 | 43 |
| 206P0 | 44 | | | | | | | 4.484 (13) | 44 |
| 206P0 | 45 | | | | | | | 4.495 (13) | 45 |
| 206P0 | 46 | | 4.569 | 14+ | | | | | 46 |
| 206P0 | 47 | | 4.613 | 15+ | | | | | 47 |
| 206P0 | 48 | | | | | 4.633 | 17- | | 48 |
| 206P0 | 49 | | 4.652 | (16+) | | | | | 49 |
| 206P0 | 50 | | 4.686 | (17+) | | | | | 50 |
| ----- | | | | | | | | | |
| 206P0 | 51 | | | | | | | 4.698 | 51 |
| 206P0 | 52 | | 4.712 | 16+ | | | | | 52 |
| 206P0 | 53 | | | | | 4.744 | 17- | | 53 |
| 206P0 | 54 | | 4.832 | (18+) | | | | | 54 |
| 206P0 | 55 | | 5.169 | (17+) | | | | | 55 |
| 206P0 | 56 | | 5.213 | (19+) | | | | | 56 |
| 206P0 | 57 | | 5.335 | (18+) | | | | | 57 |
| 206P0 | 58 | | | | | 5.378 | (18-) | | 58 |
| 206P0 | 59 | | | | | | | 5.486 | 59 |
| 206P0 | 60 | | 5.514 | (19+) | | | | | 60 |
| ----- | | | | | | | | | |
| 206P0 | 61 | | | | | | | 5.875 (20) | 61 |
| 206P0 | 62 | | | | | 5.935 | 19- | | 62 |
| 206P0 | 63 | | | | | | | 6.010 (20) | 63 |
| 206P0 | 64 | | | | | | | 6.020 | 64 |
| 206P0 | 65 | | | | | | | 6.051 | 65 |
| 206P0 | 66 | | | | | 6.119 | (20-) | | 66 |
| 206P0 | 67 | | | | | 6.288 | (21-) | | 67 |
| 206P0 | 68 | | | | | | | 6.344 | 68 |
| 206P0 | 69 | | | | | | | 6.478 | 69 |
| 206P0 | 70 | | | | | | | 6.522 (21) | 70 |
| ----- | | | | | | | | | |
| 206P0 | 71 | | | | | | | 6.700 (21) | 71 |
| 206P0 | 72 | | | | | 6.756 | (22-) | | 72 |
| 206P0 | 73 | | | | | | | 6.873 (21) | 73 |
| 206P0 | 74 | | | | | | | 6.958 (22) | 74 |
| 206P0 | 75 | | | | | | | 6.983 | 75 |
| 206P0 | 76 | | | | | | | 7.121 | 76 |
| 206P0 | 77 | | | | | | | 7.137 | 77 |
| 206P0 | 78 | | | | | | | 7.159 (23) | 78 |
| 206P0 | 79 | | | | | | | 7.197 (23) | 79 |
| 206P0 | 80 | | | | | | | 7.268 | 80 |

| | | | | | |
|-----------|----|---------|----------|------------|-------------|
| 206P0 | 81 | | | 7.282 (22) | 81 |
| 206P0 | 82 | | | 7.413 | 82 |
| 206P0 | 83 | | | 7.474 | 83 |
| 206P0 | 84 | | | 7.502 (24) | 84 |
| 206P0 | 85 | | | 7.594 | 85 |
| ----- | | | | | |
| S-2p | = | 7.657 | (0.004) | ----- | |
| 206P0 | 86 | | | 7.823 | 86 |
| 206P0 | 87 | | | 8.044 | 87 |
| 206P0 | 88 | | | 8.201 | 88 |
| 206P0 | 89 | | | 8.219 | 89 |
| 206P0 | 90 | | | 8.259 | 90 |
| ----- | | | | | |
| 206P0 | 91 | | | 8.265 | 91 |
| 206P0 | 92 | | | 8.349 | 92 |
| 206P0 | 93 | | | 8.382 | 93 |
| 206P0 | 94 | | | 8.431 | 94 |
| 206P0 | 95 | | | 8.628 | 95 |
| 206P0 | 96 | | | 8.643 | 96 1.0 NS 3 |
| ----- | | | | | |
| S-n | = | 8.738 | (0.011) | ----- | |
| 206P0 | 97 | | | 8.898 | 97 |
| 206P0 | 98 | | | 8.994 | 98 |
| 206P0 | 99 | | | 9.725 | 99 |
| ----- | | | | | |
| S-p | = | 4.412 | (0.006) | ----- | |
| S-n | = | 8.738 | (0.011) | ----- | |
| S-2p | = | 7.657 | (0.004) | ----- | |
| S-2n | = | 15.990 | (0.011) | ----- | |
| S-alpha | = | -5.327 | (0.006) | ----- | |
| | | | | | |
| S+p | = | -2.328 | (0.013) | | |
| S+n | = | -7.028 | (0.008) | | |
| S+2p | = | -6.045 | (0.011) | | |
| S+2n | = | -15.423 | (0.004) | | |
| S+alpha | = | 6.159 | (0.006) | | |
| | | | | | |
| gap p | = | 2.084 | (0.014) | | |
| gap n | = | 1.710 | (0.013) | | |
| gap 2p | = | 1.612 | (0.012) | | |
| gap 2n | = | 0.567 | (0.012) | | |
| gap alpha | = | 0.832 | (0.008) | | |