

^{150}Ce $Z = 58$ $N = 92$ [link to full NNDC output](#)

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

BE = 1230.168 (0.012) MeV

Qbeta- = 3.454 (0.015) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|----------|----------------|-----|-------|-------------|--------------|
| 150CE 1 | 0.000 | 0+ | | | 1 4.0 S 6 |
| 150CE 2 | 0.097 | 2+ | | | 2 3.3 NS 8 |
| 150CE 3 | 0.306 | 4+ | | | 3 0.26 NS 10 |
| 150CE 4 | 0.606 | 6+ | | | 4 |
| 150CE 5 | 0.983 | 8+ | | | 5 |
| 150CE 6 | | | 1.386 | 7- | 6 |
| 150CE 7 | 1.423 | 10+ | | | 7 |
| 150CE 8 | | | | 1.497 | 8 |
| 150CE 9 | | | | 1.619 | 9 |
| 150CE 10 | | | | 1.704 (6-) | 10 |
| 150CE 11 | | | 1.733 | 9- | 11 |
| 150CE 12 | | | | 1.760 | 12 |
| 150CE 13 | | | | 1.784 | 13 |
| 150CE 14 | | | | 1.792 (7) | 14 |
| 150CE 15 | 1.918 | 12+ | | | 15 |
| 150CE 16 | | | | 1.976 (8-) | 16 |
| 150CE 17 | | | | 2.026 (8) | 17 |
| 150CE 18 | | | | 2.058 (9) | 18 |
| 150CE 19 | | | 2.154 | 11- | 19 |
| 150CE 20 | | | | 2.279 (10-) | 20 |
| S-alpha= | 2.325 (0.024) | | | | |
| 150CE 21 | | | | 2.336 | 21 |
| 150CE 22 | | | | 2.368 (10) | 22 |
| 150CE 23 | | | | 2.386 (11) | 23 |
| 150CE 24 | 2.465 | 14+ | | | 24 |
| 150CE 25 | | | | 2.639 (13-) | 25 |
| 150CE 26 | | | | 2.651 (12-) | 26 |
| 150CE 27 | | | | 2.725 (11) | 27 |
| 150CE 28 | | | | 2.769 (12) | 28 |
| 150CE 29 | | | | 2.783 (13) | 29 |
| 150CE 30 | 3.058 | 16+ | | | 30 |
| 150CE 31 | | | | 3.092 (14-) | 31 |
| 150CE 32 | | | | 3.167 (13) | 32 |
| 150CE 33 | | | | 3.178 (15-) | 33 |
| 150CE 34 | 3.694 | 18+ | | | 34 |
| 150CE 35 | | | | 3.744 (17-) | 35 |
| 150CE 36 | 4.367 | 20+ | | | 36 |

| | | | | | |
|-----------|---|---------|---|-------|--------|
| S-p | = | 11.916 | (| 0.201 |)----- |
| S-n | = | 6.248 | (| 0.016 |)----- |
| S-2p | = | 21.831 | (| 0.064 |)----- |
| S-2n | = | 10.591 | (| 0.016 |)----- |
| S-alpha | = | 2.325 | (| 0.024 |)----- |
| | | | | | |
| S+p | = | -9.222 | (| 0.016 |) |
| S+n | = | -4.450 | (| 0.021 |) |
| S+2p | = | -19.880 | (| 0.027 |) |
| S+2n | = | 0.000 | (| 0.000 |) |
| S+alpha | = | -3.403 | (| 0.054 |) |
| | | | | | |
| gap p | = | 2.694 | (| 0.201 |) |
| gap n | = | 1.799 | (| 0.026 |) |
| gap 2p | = | 1.950 | (| 0.070 |) |
| gap 2n | = | 0.000 | (| 0.000 |) |
| gap alpha | = | -1.079 | (| 0.059 |) |