

^{166}Re $Z = 75$ $N = 91$ adopted link ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 1313.000 (0.088) MeV

Qbeta+ = 10.050 (0.089) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|----------|-----------------|----|----|---------|-------------|
| ----- | | | | | |
| S-alpha= | -5.519 (0.109) | | | | |
| 166RE | 1 | | | 0.000 | 1 2.25 S 21 |

| | | | | | |
|----------|---|-----------------|-------|--|--|
| S-p | = | 0.265 (0.092) | ----- | | |
| S-n | = | 9.249 (0.091) | ----- | | |
| S-2p | = | 3.132 (0.093) | ----- | | |
| S-2n | = | 20.507 (0.104) | ----- | | |
| S-alpha= | = | -5.519 (0.109) | ----- | | |

| | | |
|---------|---|------------------|
| S+p | = | -1.951 (0.120) |
| S+n | = | -11.143 (0.088) |
| S+2p | = | -1.407 (0.104) |
| S+2n | = | -20.100 (0.093) |
| S+alpha | = | 6.286 (0.192) |

| | | |
|-----------|---|-----------------|
| gap p | = | -1.686 (0.151) |
| gap n | = | -1.893 (0.127) |
| gap 2p | = | 1.726 (0.139) |
| gap 2n | = | 0.407 (0.140) |
| gap alpha | = | 0.767 (0.220) |