

$^{209}\text{Hg}$        $Z = 80$        $N = 129$       adopted link      ENSDF link

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

BE = 1632.917 (-0.209) MeV

Qbeta- = 5.046 ( 0.209) MeV

|           | Energy T           | J+ | J- | J-other      | T1/2        |
|-----------|--------------------|----|----|--------------|-------------|
| -----     |                    |    |    |              |             |
| S-alpha=  | -1.759 (-0.293)    |    |    |              |             |
| 209HG     | 1                  |    |    | 0.000 (9/2+) | 1 36 S +7-4 |
| -----     |                    |    |    |              |             |
| S-p       | = 9.893 (-0.295)   |    |    |              |             |
| S-n       | = 3.405 (-0.211)   |    |    |              |             |
| S-2p      | = 18.938 (-0.464)  |    |    |              |             |
| S-2n      | = 8.255 (-0.211)   |    |    |              |             |
| S-alpha=  | -1.759 (-0.293)    |    |    |              |             |
| -----     |                    |    |    |              |             |
| S+p       | = -7.937 (-0.209)  |    |    |              |             |
| S+n       | = -4.873 (-0.296)  |    |    |              |             |
| S+2p      | = -16.472 (-0.209) |    |    |              |             |
| S+2n      | = -8.030 (-0.297)  |    |    |              |             |
| S+alpha   | = 2.971 (-0.209)   |    |    |              |             |
| -----     |                    |    |    |              |             |
| gap p     | = 1.956 ( 0.362)   |    |    |              |             |
| gap n     | = -1.468 ( 0.364)  |    |    |              |             |
| gap 2p    | = 2.466 ( 0.509)   |    |    |              |             |
| gap 2n    | = 0.224 ( 0.364)   |    |    |              |             |
| gap alpha | = 1.212 ( 0.360)   |    |    |              |             |