

TAVOLA DEI NUCLEI ATOMICI isobari

configurazione dei livelli nucleari degli isobari con **A = 242**

| $\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$ | Sa | $\frac{m_c}{m_s}$ | n | 1 | 2 | 3 | 4 | 5 | 6 | 7 | $\frac{E_{\beta np}(\text{eV})}{\beta np - T_{1/2}}$ |
|---|----------------------------------|---------------------------------|------|-----|-----|------|-------|------|------|-----|--|
| $\frac{1816.82}{-}$ | Th ₉₀ ²⁴² | $\frac{242.07088}{-}$ | 90n | 2+0 | 8+0 | 16+1 | 0+16 | 1+20 | 0+25 | 1+0 | $\frac{2.542M}{\beta^-}$ |
| $\frac{1818.58}{-}$ | Pa ₉₁ ²⁴² | $\frac{242.06815}{-}$ | 91n | 2+0 | 8+0 | 18+0 | 0+16 | 1+21 | 1+23 | 1+0 | $\frac{4.902M}{\beta^-}$ |
| $\frac{1822.85}{1822.7}$ | U ₉₂ ²⁴² | $\frac{242.06273}{242.06293}$ | 92n | 2+0 | 8+0 | 18+0 | 4+14 | 1+23 | 1+20 | 0+1 | $\frac{1.200M}{\beta^- 16.8m}$ |
| $\frac{1822.92}{1823.08}$ | Np ₉₃ ²⁴² | $\frac{242.06181}{242.06164}$ | 93n | 2+0 | 8+0 | 18+0 | 8+12 | 1+23 | 0+21 | 0+0 | $\frac{2.700M}{\beta^- 2.20m}$ |
| $\frac{1824.36}{1825.0}$ | Pu ₉₄ ²⁴² | $\frac{242.05943}{242.0587426}$ | 94n | 2+0 | 8+0 | 18+0 | 10+11 | 1+24 | 1+19 | 0+0 | $\frac{4.9847M}{\alpha 3.75 \cdot 10^5 a}$ |
| $\frac{1823.82}{1823.4}$ | Am ₉₅ ²⁴² | $\frac{242.05917}{242.05962}$ | 95n | 2+0 | 8+0 | 18+0 | 14+9 | 0+25 | 1+18 | 0+0 | $\frac{664.4K}{\beta^- 16.02h}$ |
| $\frac{1821.26}{1823.4}$ | Cm ₉₆ ²⁴² | $\frac{242.06108}{242.058781}$ | 96n | 2+0 | 8+0 | 18+0 | 18+7 | 0+25 | 0+18 | 0+0 | $\frac{6.21556M}{\alpha 162.8d}$ |
| $\frac{1818.57}{1819.6}$ | Bk ₉₇ ²⁴² | $\frac{242.06313}{242.061981}$ | 97n | 2+0 | 8+0 | 18+0 | 20+6 | 0+25 | 1+17 | 0+0 | $\frac{2.930M}{ce 7.0m}$ |
| $\frac{1815.76}{1817.3}$ | Cf ₉₈ ²⁴² | $\frac{242.06530}{242.063702}$ | 98n | 2+0 | 8+0 | 18+0 | 24+4 | 0+25 | 0+17 | 0+0 | $\frac{7.517M}{\alpha 3.70m}$ |
| $\frac{1810.50}{1810.8}$ | Es ₉₉ ²⁴² | $\frac{242.07011}{242.069745}$ | 99n | 2+0 | 8+0 | 18+0 | 26+3 | 0+25 | 1+15 | 0+1 | $\frac{8.160M}{\alpha 17.8s}$ |
| $\frac{1806.67}{1806.6}$ | Fm ₁₀₀ ²⁴² | $\frac{242.07338}{242.07343}$ | 100n | 2+0 | 8+0 | 18+0 | 28+2 | 1+24 | 0+16 | 1+0 | $\frac{-}{FS < 4\mu s}$ |
| $\frac{1800.38}{-}$ | Md ₁₀₁ ²⁴² | $\frac{242.07929}{-}$ | 101n | 2+0 | 8+0 | 18+0 | 32+0 | 0+24 | 1+15 | 0+1 | — |