

TAVOLA DEI NUCLEI ATOMICI isobari

configurazione dei livelli nucleari degli isobari con **A = 220**

| $\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$ | Sa | $\frac{m_c}{m_s}$ | n | 1 | 2 | 3 | 4 | 5 | 6 | 7 | $\frac{E_{\beta np}(\text{eV})}{\beta np - T_{1/2}}$ |
|---|---------------------------------|--------------------------------|-----|-----|-----|------|-------|------|------|-----|--|
| $\frac{1690.48}{-}$ | Bi ₈₃ ²²⁰ | $\frac{220.02177}{-}$ | 83n | 2+0 | 8+0 | 18+0 | 0+16 | 1+21 | 0+16 | 0+1 | $\frac{5.400M}{\beta^- > 300ns}$ |
| $\frac{1694.47}{1694.5}$ | Po ₈₄ ²²⁰ | $\frac{220.01664}{220.01660}$ | 84n | 2+0 | 8+0 | 18+0 | 4+14 | 0+23 | 0+14 | 0+1 | $\frac{910.0K}{\beta^- 40s}$ |
| $\frac{1694.75}{1694.8}$ | At ₈₅ ²²⁰ | $\frac{220.01550}{220.01541}$ | 85n | 2+0 | 8+0 | 18+0 | 6+13 | 1+23 | 0+13 | 0+1 | $\frac{3.740M}{\alpha 3.71m}$ |
| $\frac{1697.84}{1697.8}$ | Rn ₈₆ ²²⁰ | $\frac{220.01135}{220.011394}$ | 86n | 2+0 | 8+0 | 18+0 | 8+12 | 1+24 | 0+12 | 1+0 | $\frac{6.40466M}{\alpha 55.6s}$ |
| $\frac{1696.81}{1696.1}$ | Fr ₈₇ ²²⁰ | $\frac{220.01161}{220.012327}$ | 87n | 2+0 | 8+0 | 18+0 | 12+10 | 0+25 | 1+10 | 0+1 | $\frac{6.8007M}{\alpha 27.4s}$ |
| $\frac{1696.03}{1696.6}$ | Ra ₈₈ ²²⁰ | $\frac{220.01161}{220.011028}$ | 88n | 2+0 | 8+0 | 18+0 | 14+9 | 0+25 | 1+10 | 1+0 | $\frac{7.592M}{\alpha 18.0ms}$ |
| $\frac{1692.16}{1692.3}$ | Ac ₈₉ ²²⁰ | $\frac{220.01492}{220.014763}$ | 89n | 2+0 | 8+0 | 18+0 | 16+8 | 1+24 | 1+10 | 1+0 | $\frac{8.348M}{\alpha 26.4ms}$ |
| $\frac{1690.01}{1690.6}$ | Th ₉₀ ²²⁰ | $\frac{220.01639}{220.015748}$ | 90n | 2+0 | 8+0 | 18+0 | 20+6 | 1+24 | 0+10 | 1+0 | $\frac{8.953M}{\alpha 9.7\mu s}$ |
| $\frac{1684.74}{1684.1}$ | Pa ₉₁ ²²⁰ | $\frac{220.02121}{220.02188}$ | 91n | 2+0 | 8+0 | 18+0 | 24+4 | 0+24 | 1+9 | 0+1 | $\frac{9.830M}{\alpha 0.78\mu s}$ |
| $\frac{1680.44}{1680.7}$ | U ₉₂ ²²⁰ | $\frac{220.02498}{220.02472}$ | 92n | 2+0 | 8+0 | 18+0 | 26+3 | 1+23 | 1+9 | 0+1 | $\frac{10.30M}{\alpha 60.0ns}$ |
| $\frac{1672.25}{-}$ | Np ₉₃ ²²⁰ | $\frac{220.03294}{-}$ | 93n | 2+0 | 8+0 | 18+0 | 30+1 | 0+22 | 1+10 | 0+1 | — |