

## TAVOLA DEI NUCLEI ATOMICI isobari

configurazione dei livelli nucleari degli isobari con **A = 105**

| $\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$ | Sa                     | $\frac{m_c}{m_s}$             | n   | 1   | 2   | 3    | 4    | 5   | 6   | 7   | $\frac{E_{\beta np}(\text{eV})}{\beta np - T_{1/2}}$ |
|---|------------------------|-------------------------------|-----|-----|-----|------|------|-----|-----|-----|--|
| $\frac{856.411}{856.34}$                  | $\text{Sr}_{38}^{105}$ | $\frac{104.95851}{104.95858}$ | 38n | 2+0 | 6+1 | 0+9  | 0+11 | 0+4 | 1+3 | 0+1 | $\frac{12.20M}{\beta^- 40.0ms}$                      |
| $\frac{868.201}{868.33}$                  | $\text{Y}_{39}^{105}$  | $\frac{104.94501}{104.94487}$ | 39n | 2+0 | 8+0 | 2+8  | 0+12 | 0+4 | 0+2 | 0+1 | $\frac{6.130M}{n\beta^- 85.0ms}$                     |
| $\frac{878.328}{878.56}$                  | $\text{Zr}_{40}^{105}$ | $\frac{104.93330}{104.93305}$ | 40n | 2+0 | 8+0 | 2+8  | 1+12 | 1+4 | 0+1 | 1+0 | $\frac{8.436M}{\beta^- 660ms}$                       |
| $\frac{886.100}{886.26}$                  | $\text{Nb}_{41}^{105}$ | $\frac{104.92411}{104.92394}$ | 41n | 2+0 | 8+0 | 6+6  | 1+13 | 0+3 | 0+1 | 1+0 | $\frac{7.436M}{\beta^- 2.95s}$                       |
| $\frac{891.826}{891.97}$                  | $\text{Mo}_{42}^{105}$ | $\frac{104.91713}{104.91697}$ | 42n | 2+0 | 8+0 | 10+4 | 0+14 | 1+2 | 0+0 | 0+1 | $\frac{4.950M}{\beta^- 35.6s}$                       |
| $\frac{895.972}{896.14}$                  | $\text{Tc}_{43}^{105}$ | $\frac{104.91184}{104.91166}$ | 43n | 2+0 | 8+0 | 14+2 | 0+14 | 0+2 | 0+1 | 0+0 | $\frac{3.640M}{\beta^- 7.60m}$                       |
| $\frac{899.360}{898.99}$                  | $\text{Ru}_{44}^{105}$ | $\frac{104.90736}{104.90775}$ | 44n | 2+0 | 8+0 | 14+2 | 1+14 | 1+0 | 1+1 | 0+0 | $\frac{1.918M}{\beta^- 4.44h}$                       |
| $\frac{900.242}{900.13}$                  | $\text{Rh}_{45}^{105}$ | $\frac{104.90557}{104.90569}$ | 45n | 2+0 | 8+0 | 18+0 | 2+13 | 0+1 | 0+1 | 0+0 | $\frac{567.1K}{\beta^- 35.36h}$                      |
| $\frac{899.435}{899.91}$                  | $\text{Pd}_{46}^{105}$ | $\frac{104.90560}{104.90509}$ | 46n | 2+0 | 8+0 | 18+0 | 5+11 | 0+1 | 0+1 | 0+0 | $\frac{\text{st}}{22.33\%}$                          |
| $\frac{898.286}{897.79}$                  | $\text{Ag}_{47}^{105}$ | $\frac{104.90599}{104.90653}$ | 47n | 2+0 | 8+0 | 18+0 | 8+9  | 0+1 | 0+1 | 0+0 | $\frac{1.345M}{ce41.29d}$                            |
| $\frac{894.241}{894.27}$                  | $\text{Cd}_{48}^{105}$ | $\frac{104.90950}{104.90947}$ | 48n | 2+0 | 8+0 | 18+0 | 10+7 | 1+1 | 0+1 | 0+0 | $\frac{2.737M}{ce55.5m}$                             |
| $\frac{888.629}{888.63}$                  | $\text{In}_{49}^{105}$ | $\frac{104.91468}{104.91467}$ | 49n | 2+0 | 8+0 | 18+0 | 13+4 | 0+3 | 1+0 | 0+0 | $\frac{4.693M}{ce5.07m}$                             |
| $\frac{881.193}{881.63}$                  | $\text{Sn}_{50}^{105}$ | $\frac{104.92182}{104.92135}$ | 50n | 2+0 | 8+0 | 18+0 | 16+1 | 0+4 | 1+0 | 0+0 | $\frac{6.303M}{ce32.7s}$                             |
| $\frac{871.664}{871.41}$                  | $\text{Sb}_{51}^{105}$ | $\frac{104.93121}{104.93149}$ | 51n | 2+0 | 8+0 | 18+0 | 16+0 | 4+1 | 0+2 | 0+0 | $\frac{9.485M}{ce1.22s}$                             |
| $\frac{859.234}{859.31}$                  | $\text{Te}_{52}^{105}$ | $\frac{104.94372}{104.94364}$ | 52n | 2+0 | 8+0 | 18+0 | 12+0 | 8+0 | 3+1 | 0+0 | $\frac{4.890M}{\alpha 0.62\mu s}$                    |