

## TAVOLA DEI NUCLEI ATOMICI isobari

configurazione dei livelli nucleari degli isobari con **A = 214**

| $\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$ | Sa                              | $\frac{m_c}{m_s}$               | n   | 1   | 2   | 3    | 4     | 5    | 6    | 7   | $\frac{E_{\beta np}(\text{eV})}{\beta np - T_{1/2}}$ |
|---|---------------------------------|---------------------------------|-----|-----|-----|------|-------|------|------|-----|--|
| $\frac{1658.81}{-}$                       | Tl <sub>81</sub> <sup>214</sup> | $\frac{214.00546}{-}$           | 81n | 2+0 | 8+0 | 18+0 | 0+16  | 1+22 | 0+13 | 0+1 | $\frac{6.700M}{\beta^- > 300ns}$                     |
| $\frac{1662.98}{1663.3}$                  | Pb <sub>82</sub> <sup>214</sup> | $\frac{214.00014}{213.999805}$  | 82n | 2+0 | 8+0 | 18+0 | 4+14  | 0+24 | 0+11 | 0+1 | $\frac{1.019M}{\beta^- 26.8m}$                       |
| $\frac{1663.40}{1663.5}$                  | Bi <sub>83</sub> <sup>214</sup> | $\frac{213.99885}{213.998712}$  | 83n | 2+0 | 8+0 | 18+0 | 6+13  | 1+24 | 0+10 | 0+1 | $\frac{3.270M}{\beta^- 19.9m}$                       |
| $\frac{1664.79}{1664.8}$                  | Po <sub>84</sub> <sup>214</sup> | $\frac{213.99652}{213.995201}$  | 84n | 2+0 | 8+0 | 18+0 | 8+12  | 0+25 | 1+9  | 1+0 | $\frac{7.83346M}{\alpha 164.3\mu s}$                 |
| $\frac{1664.28}{1664.1}$                  | At <sub>85</sub> <sup>214</sup> | $\frac{213.99622}{213.996372}$  | 85n | 2+0 | 8+0 | 18+0 | 12+10 | 0+25 | 1+9  | 0+0 | $\frac{8.987M}{\alpha 558ns}$                        |
| $\frac{1662.56}{1664.3}$                  | Rn <sub>86</sub> <sup>214</sup> | $\frac{213.99723}{213.995363}$  | 86n | 2+0 | 8+0 | 18+0 | 16+8  | 0+25 | 0+9  | 0+0 | $\frac{9.208M}{\alpha 270ns}$                        |
| $\frac{1659.59}{1660.2}$                  | Fr <sub>87</sub> <sup>214</sup> | $\frac{213.99958}{213.998971}$  | 87n | 2+0 | 8+0 | 18+0 | 18+7  | 0+25 | 0+8  | 1+0 | $\frac{8.589M}{\alpha 5.0m}$                         |
| $\frac{1657.60}{1658.3}$                  | Ra <sub>88</sub> <sup>214</sup> | $\frac{214.000875}{214.000108}$ | 88n | 2+0 | 8+0 | 18+0 | 20+6  | 0+25 | 1+7  | 1+0 | $\frac{7.273M}{\alpha 2.46s}$                        |
| $\frac{1651.78}{1651.2}$                  | Ac <sub>89</sub> <sup>214</sup> | $\frac{214.00628}{214.006902}$  | 89n | 2+0 | 8+0 | 18+0 | 24+4  | 0+24 | 0+8  | 1+0 | $\frac{7.352M}{\alpha 8.20s}$                        |
| $\frac{1645.80}{1646.1}$                  | Th <sub>90</sub> <sup>214</sup> | $\frac{214.01186}{214.011500}$  | 90n | 2+0 | 8+0 | 18+0 | 26+3  | 0+23 | 1+8  | 1+0 | $\frac{7.827M}{\alpha 87.0ms}$                       |
| $\frac{1636.68}{1636.6}$                  | Pa <sub>91</sub> <sup>214</sup> | $\frac{214.02082}{214.02092}$   | 91n | 2+0 | 8+0 | 18+0 | 30+1  | 1+21 | 0+9  | 0+1 | $\frac{8.270M}{\alpha 17.0ms}$                       |
| $\frac{1631.51}{-}$                       | U <sub>92</sub> <sup>214</sup>  | $\frac{214.02553}{-}$           | 92n | 2+0 | 8+0 | 18+0 | 32+0  | 1+20 | 0+10 | 1+0 | —  |