

## TAVOLA PERIODICA DEI NUCLEI ATOMICI

### configurazione dei livelli nucleari degli isotopi **MEITNERIO Z = 109**

| $\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$ | Sa                               | $\frac{m_c}{m_s}$             | n    | 1   | 2   | 3    | 4    | 5    | 6    | 7   | $\frac{E_p(\text{eV})}{p \cdot T_{1/2}}$ |
|---|----------------------------------|-------------------------------|------|-----|-----|------|------|------|------|-----|--|
| $\frac{1911.70}{-}$                       | Mt <sub>109</sub> <sup>263</sup> | $\frac{263.13503}{-}$         | 109n | 2+0 | 8+0 | 18+0 | 32+0 | 4+22 | 0+22 | 0+1 | —  |
| $\frac{1918.42}{-}$                       | Mt <sub>109</sub> <sup>264</sup> | $\frac{264.13648}{-}$         | 109n | 2+0 | 8+0 | 18+0 | 32+0 | 2+23 | 1+22 | 0+1 | —  |
| $\frac{1927.11}{1926.8}$                  | Mt <sub>109</sub> <sup>265</sup> | $\frac{265.13582}{265.13615}$ | 109n | 2+0 | 8+0 | 18+0 | 32+0 | 1+24 | 1+22 | 0+1 | $\frac{11.00M}{\alpha \text{ 2ms}}$      |
| $\frac{1933.83}{1933.8}$                  | Mt <sub>109</sub> <sup>266</sup> | $\frac{266.13727}{266.13730}$ | 109n | 2+0 | 8+0 | 18+0 | 32+0 | 1+24 | 0+23 | 0+1 | $\frac{11.00M}{\alpha \text{ 1.7ms}}$    |
| $\frac{1942.53}{1941.9}$                  | Mt <sub>109</sub> <sup>267</sup> | $\frac{267.13659}{267.13731}$ | 109n | 2+0 | 8+0 | 18+0 | 32+0 | 0+25 | 0+23 | 0+1 | $\frac{10.90M}{\alpha \text{ 10.0ms}}$   |
| $\frac{1949.25}{1948.6}$                  | Mt <sub>109</sub> <sup>268</sup> | $\frac{268.13804}{268.13873}$ | 109n | 2+0 | 8+0 | 18+0 | 30+1 | 0+25 | 1+23 | 0+1 | $\frac{10.74M}{\alpha \text{ 21.0ms}}$   |
| $\frac{1955.97}{-}$                       | Mt <sub>109</sub> <sup>269</sup> | $\frac{269.13950}{-}$         | 109n | 2+0 | 8+0 | 18+0 | 30+1 | 0+25 | 0+24 | 0+1 | $\frac{10.50M}{\alpha \text{ 200ms}}$    |
| $\frac{1962.68}{1963.0}$                  | Mt <sub>109</sub> <sup>270</sup> | $\frac{270.14096}{270.14066}$ | 109n | 2+0 | 8+0 | 18+0 | 28+2 | 0+25 | 1+24 | 0+1 | $\frac{10.18M}{\alpha \text{ 5.0ms}}$    |
| $\frac{1970.59}{1970.6}$                  | Mt <sub>109</sub> <sup>271</sup> | $\frac{271.14114}{271.14114}$ | 109n | 2+0 | 8+0 | 18+0 | 26+3 | 0+25 | 1+25 | 1+0 | $\frac{10.10M}{\alpha \text{ 5S}}$       |
| $\frac{1976.12}{1976.2}$                  | Mt <sub>109</sub> <sup>272</sup> | $\frac{272.14386}{272.14374}$ | 109n | 2+0 | 8+0 | 18+0 | 26+3 | 0+25 | 1+25 | 0+1 | $\frac{10.40M}{\alpha \text{ 10S}}$      |
| $\frac{1982.84}{1983.2}$                  | Mt <sub>109</sub> <sup>273</sup> | $\frac{273.14531}{273.14492}$ | 109n | 2+0 | 8+0 | 18+0 | 26+3 | 0+25 | 0+26 | 0+1 | $\frac{10.60M}{\alpha \text{ 20S}}$      |
| $\frac{1989.56}{1988.9}$                  | Mt <sub>109</sub> <sup>274</sup> | $\frac{274.14676}{274.14749}$ | 109n | 2+0 | 8+0 | 18+0 | 24+4 | 0+25 | 1+26 | 0+1 | $\frac{10.51M}{\alpha \text{ 0.44S}}$    |
| $\frac{1996.28}{1995.9}$                  | Mt <sub>109</sub> <sup>275</sup> | $\frac{275.14821}{275.14865}$ | 109n | 2+0 | 8+0 | 18+0 | 24+4 | 0+25 | 0+27 | 0+1 | $\frac{10.12M}{\alpha \text{ 9.7ms}}$    |
| $\frac{2001.01}{2001.6}$                  | Mt <sub>109</sub> <sup>276</sup> | $\frac{276.15180}{276.15116}$ | 109n | 2+0 | 8+0 | 18+0 | 22+5 | 1+24 | 0+28 | 0+1 | $\frac{9.850M}{\alpha \text{ 0.72S}}$    |
| $\frac{2008.92}{-}$                       | Mt <sub>109</sub> <sup>277</sup> | $\frac{277.15197}{-}$         | 109n | 2+0 | 8+0 | 18+0 | 20+6 | 1+24 | 0+29 | 1+0 | $\frac{9.640M}{\alpha \text{ 1m}}$       |
| $\frac{2013.66}{-}$                       | Mt <sub>109</sub> <sup>278</sup> | $\frac{278.15555}{-}$         | 109n | 2+0 | 8+0 | 18+0 | 20+6 | 0+24 | 0+30 | 1+0 | $\frac{9.390M}{\alpha \text{ 8S}}$       |
| $\frac{2021.16}{2021.1}$                  | Mt <sub>109</sub> <sup>279</sup> | $\frac{279.15616}{279.15619}$ | 109n | 2+0 | 8+0 | 18+0 | 18+7 | 1+24 | 1+29 | 0+1 | $\frac{8.900M}{\alpha \text{ 6m}}$       |
| $\frac{2025.90}{-}$                       | Mt <sub>109</sub> <sup>280</sup> | $\frac{280.15974}{-}$         | 109n | 2+0 | 8+0 | 18+0 | 18+7 | 0+24 | 1+30 | 0+1 | —  |