

TAVOLA PERIODICA DEI NUCLEI ATOMICI
configurazione dei livelli nucleari degli isodiaferi I = +54

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_\alpha(\text{eV})}{T_{1/2}}$
$\frac{1679.19}{-}$	Pb ₈₂ ²¹⁸	$\frac{218.01739}{-}$	82n	2+0	8+0	16+1	0+16	1+21	1+15	0+1	$\frac{2.00M}{\beta^- > 300ns}$
$\frac{1690.48}{-}$	Bi ₈₃ ²²⁰	$\frac{220.02177}{-}$	83n	2+0	8+0	18+0	0+16	1+21	0+16	0+1	$\frac{3.500M}{\beta^- > 300ns}$
$\frac{1703.51}{-}$	Po ₈₄ ²²²	$\frac{222.02427}{-}$	84n	2+0	8+0	18+0	2+15	0+22	0+16	0+1	$\frac{4.400M}{\beta^- 550s}$
$\frac{1712.88}{-}$	At ₈₅ ²²⁴	$\frac{224.03070}{-}$	85n	2+0	8+0	18+0	2+15	1+21	0+17	0+1	$\frac{4.620M}{\beta^- 76.0s}$
$\frac{1728.04}{1728.1}$	Rn ₈₆ ²²⁶	$\frac{226.03091}{226.03089}$	86n	2+0	8+0	18+0	4+14	0+22	0+18	0+0	$\frac{3.830M}{\beta^- 7.40m}$
$\frac{1739.12}{1738.9}$	Fr ₈₇ ²²⁸	$\frac{228.03551}{228.03573}$	87n	2+0	8+0	18+0	4+14	0+22	1+18	0+0	$\frac{3.160M}{\beta^- 38.0s}$
$\frac{1751.99}{1753.0}$	Ra ₈₈ ²³⁰	$\frac{230.03818}{230.037056}$	88n	2+0	8+0	18+0	4+14	1+22	1+18	0+0	$\frac{3.352M}{\beta^- 93.0m}$
$\frac{1764.80}{1763.8}$	Ac ₈₉ ²³²	$\frac{232.04092}{232.04203}$	89n	2+0	8+0	18+0	6+13	0+23	1+18	0+0	$\frac{3.440M}{\beta^- 119s}$
$\frac{1777.57}{1777.7}$	Th ₉₀ ²³⁴	$\frac{234.04370}{234.043601}$	90n	2+0	8+0	18+0	6+13	1+23	1+18	0+0	$\frac{3.674M}{\beta^- 24.10d}$
$\frac{1788.43}{1788.3}$	Pa ₉₁ ²³⁶	$\frac{236.04853}{236.04868}$	91n	2+0	8+0	18+0	8+12	1+23	0+19	0+0	$\frac{3.770M}{\beta^- 9.10m}$
$\frac{1801.83}{1801.7}$	U ₉₂ ²³⁸	$\frac{238.05143}{238.050788}$	92n	2+0	8+0	18+0	8+12	1+24	0+18	1+0	$\frac{4.270M}{\alpha 4.468 \cdot 10^9 a}$ 99.2742%
$\frac{1811.81}{1812.0}$	Np ₉₃ ²⁴⁰	$\frac{240.05641}{240.056162}$	93n	2+0	8+0	18+0	10+11	0+24	1+19	0+0	$\frac{4.540M}{\beta^- 61.9m}$
$\frac{1824.36}{1825.0}$	Pu ₉₄ ²⁴²	$\frac{242.05943}{242.0587426}$	94n	2+0	8+0	18+0	10+11	1+24	1+19	0+0	$\frac{4.9847M}{\alpha 3.75 \cdot 10^5 a}$
$\frac{1834.97}{1835.2}$	Am ₉₅ ²⁴⁴	$\frac{244.06453}{244.06428}$	95n	2+0	8+0	18+0	12+10	1+24	0+20	0+0	$\frac{5.141M}{\beta^- 10.10h}$
$\frac{1847.41}{1847.8}$	Cm ₉₆ ²⁴⁶	$\frac{246.06766}{246.067246}$	96n	2+0	8+0	18+0	14+9	0+25	0+20	0+0	$\frac{5.4751M}{\alpha 4706a}$
$\frac{1857.88}{1857.7}$	Bk ₉₇ ²⁴⁸	$\frac{248.07291}{248.07311}$	97n	2+0	8+0	18+0	14+9	0+25	1+20	0+0	$\frac{5.770M}{\alpha > 9a}$
$\frac{1868.30}{1870.0}$	Cf ₉₈ ²⁵⁰	$\frac{250.07822}{250.07639}$	98n	2+0	8+0	18+0	16+8	0+25	0+21	0+0	$\frac{6.12844M}{\alpha 13.08a}$

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$\frac{1878.64}{1879.2}$	Es ₉₉ ²⁵²	$\frac{252.08361}{252.08301}$	99n	2+0	8+0	18+0	16+8	0+25	1+21	0+0	$\frac{6.790\text{M}}{\alpha 471.7\text{d}}$
$\frac{1888.92}{1891.0}$	Fm ₁₀₀ ²⁵⁴	$\frac{254.08906}{254.08683}$	100n	2+0	8+0	18+0	18+7	0+25	0+22	0+0	$\frac{7.3075\text{M}}{\alpha 3.240\text{h}}$
$\frac{1899.13}{1899.6}$	Md ₁₀₁ ²⁵⁶	$\frac{256.09459}{256.09409}$	101n	2+0	8+0	18+0	18+7	0+25	1+22	0+0	$\frac{7.890\text{M}}{ce 77.0\text{m}}$
$\frac{1909.28}{1911.1}$	No ₁₀₂ ²⁵⁸	$\frac{258.10018}{258.098207}$	102n	2+0	8+0	18+0	20+6	0+25	0+23	0+0	$\frac{8.150\text{M}}{FS 1.20\text{ms}}$
$\frac{1919.36}{1919.7}$	Lw ₁₀₃ ²⁶⁰	$\frac{260.10585}{260.10550}$	103n	2+0	8+0	18+0	20+6	0+25	1+23	0+0	$\frac{8.240\text{M}}{\alpha 180\text{s}}$
$\frac{1929.38}{1931.7}$	Rf ₁₀₄ ²⁶²	$\frac{262.11159}{262.10992}$	104n	2+0	8+0	18+0	22+5	0+25	0+24	0+0	$\frac{8.490\text{M}}{FS 2.30\text{s}}$
$\frac{1939.33}{1939.3}$	Db ₁₀₅ ²⁶⁴	$\frac{264.11740}{264.11740}$	105n	2+0	8+0	18+0	22+5	0+25	1+24	0+0	$\frac{8.660\text{M}}{\alpha 3\text{m}}$
$\frac{1949.23}{1950.3}$	Sg ₁₀₆ ²⁶⁶	$\frac{266.12326}{266.12207}$	106n	2+0	8+0	18+0	24+4	0+25	0+25	0+0	$\frac{8.880\text{M}}{FS 21.0\text{s}}$
$\frac{1959.05}{-}$	Bh ₁₀₇ ²⁶⁸	$\frac{268.12920}{-}$	107n	2+0	8+0	18+0	24+4	0+25	1+25	0+0	$\frac{9.100\text{M}}{\alpha 25\text{s}}$
$\frac{1968.81}{1969.3}$	Hs ₁₀₈ ²⁷⁰	$\frac{270.13522}{270.13465}$	108n	2+0	8+0	18+0	26+3	0+25	0+26	0+0	$\frac{9.010\text{M}}{\alpha 22.0\text{s}}$
$\frac{1976.12}{1976.2}$	Mt ₁₀₉ ²⁷²	$\frac{272.14386}{272.14374}$	109n	2+0	8+0	18+0	26+3	0+25	1+25	0+1	$\frac{10.40\text{M}}{FS 10\text{s}}$
$\frac{1985.75}{1986.2}$	Ds ₁₁₀ ²⁷⁴	$\frac{274.15001}{274.14949}$	110n	2+0	8+0	18+0	28+2	0+25	0+26	0+1	$\frac{11.30\text{M}}{FS 2\text{s}}$
$\frac{1993.32}{1993.2}$	Rg ₁₁₁ ²⁷⁶	$\frac{276.15837}{276.15849}$	111n	2+0	8+0	18+0	28+2	1+24	0+27	0+1	$\frac{11.30\text{M}}{FS}$
$\frac{2002.8}{2003.1}$	Uu ₁₁₂ ²⁷⁸	$\frac{278.16469}{278.16432}$	112n	2+0	8+0	18+0	28+2	1+24	1+27	0+1	$\frac{11.38\text{M}}{FS}$
$\frac{2010.30}{-}$	Uu ₁₁₃ ²⁸⁰	$\frac{280.17312}{-}$	113n	2+0	8+0	18+0	30+1	0+24	1+28	0+1	$\frac{11.38\text{M}}{-}$
$\frac{2018.80}{-}$	Uu ₁₁₄ ²⁸²	$\frac{282.18049}{-}$	114n	2+0	8+0	18+0	30+1	1+23	0+30	1+0	$\frac{12.30\text{M}}{-}$
$\frac{2026.10}{-}$	Uu ₁₁₅ ²⁸⁴	$\frac{284.18914}{-}$	115n	2+0	8+0	18+0	32+0	0+23	0+31	1+0	$\frac{12.50\text{M}}{-}$

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$\frac{2035.40}{-}$	Uu_{116}^{286}	$\frac{286.19565}{-}$	116n	2+0	8+0	18+0	32+0	0+23	1+31	1+0	$\frac{11.70\text{M}}{-}$
$\frac{2040.50}{-}$	Uu_{117}^{288}	$\frac{288.20666}{-}$	117n	2+0	8+0	18+0	32+0	2+21	0+33	1+0	$\frac{13.90\text{M}}{-}$
$\frac{2049.60}{-}$	Uu_{118}^{290}	$\frac{290.21338}{-}$	118n	2+0	8+0	18+0	32+0	2+21	1+33	1+0	$\frac{14.09\text{M}}{-}$
$\frac{2058.60}{-}$	Uu_{119}^{292}	$\frac{292.22021}{-}$	119n	2+0	8+0	18+0	32+0	4+20	0+34	1+0	$\frac{10.20\text{M}}{-}$
$\frac{2067.60}{-}$	Uu_{120}^{294}	$\frac{294.22704}{-}$	120n	2+0	8+0	18+0	32+0	4+20	1+34	1+0	$\frac{10.30\text{M}}{-}$