

TAVOLA PERIODICA DEI NUCLEI ATOMICI
configurazione dei livelli nucleari degli isodiaferi I = +45

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_\alpha(\text{eV})}{T_{1/2}}$
$\frac{1482.28}{-}$	Lu_{71}^{187}	$\frac{186.96941}{-}$	71n	2+0	8+0	14+2	0+16	1+18	1+8	0+1	$\frac{-}{\beta^-}$
$\frac{1496.35}{-}$	Hf_{72}^{189}	$\frac{188.97080}{-}$	72n	2+0	8+0	16+1	0+16	0+19	1+8	0+1	$\frac{-}{\beta^-}$
$\frac{1509.62}{-}$	Ta_{73}^{191}	$\frac{190.97304}{-}$	73n	2+0	8+0	16+1	0+16	0+19	1+9	1+0	$\frac{980\text{K}}{\beta^- > 300\text{ns}}$
$\frac{1525.21}{-}$	W_{74}^{193}	$\frac{192.97280}{-}$	74n	2+0	8+0	18+0	0+16	0+20	0+9	1+0	$\frac{-539\text{K}}{\beta^- > 300\text{ns}}$
$\frac{1540.71}{-}$	Re_{75}^{195}	$\frac{194.97265}{-}$	75n	2+0	8+0	18+0	0+16	0+21	1+8	1+0	$\frac{-1.500\text{M}}{\beta^- 6.0\text{s}}$
$\frac{1556.13}{-}$	Os_{76}^{197}	$\frac{196.97258}{-}$	76n	2+0	8+0	18+0	2+15	0+22	0+8	1+0	$\frac{-1.500\text{M}}{\beta^- 2.80\text{m}}$
$\frac{1569.72}{1570.4}$	Ir_{77}^{199}	$\frac{198.97448}{198.97380}$	77n	2+0	8+0	18+0	2+15	1+22	0+8	1+0	$\frac{-1.200\text{M}}{\beta^- 6.0\text{s}}$
$\frac{1585.67}{1585.1}$	Pt_{78}^{201}	$\frac{200.97385}{200.97451}$	78n	2+0	8+0	18+0	4+14	0+24	1+6	0+1	$\frac{-860\text{K}}{\beta^- 2.50\text{m}}$
$\frac{1599.44}{1599.8}$	Au_{79}^{203}	$\frac{202.97556}{202.975155}$	79n	2+0	8+0	18+0	6+13	0+24	0+8	0+0	$\frac{-1.170\text{M}}{\beta^- 60.0\text{s}}$
$\frac{1614.52}{1614.3}$	Hg_{80}^{205}	$\frac{204.97586}{204.976073}$	80n	2+0	8+0	18+0	6+13	0+25	1+7	0+0	$\frac{-970\text{K}}{\beta^- 5.14\text{m}}$
$\frac{1625.95}{1628.4}$	Tl_{81}^{207}	$\frac{206.98008}{206.977419}$	81n	2+0	8+0	18+0	8+12	0+25	0+8	0+0	$\frac{-315\text{K}}{\beta^- 4.77\text{m}}$
$\frac{1637.25}{1640.4}$	Pb_{82}^{209}	$\frac{208.98444}{208.981090}$	82n	2+0	8+0	18+0	8+12	0+25	1+8	0+0	$\frac{2.248\text{M}}{\beta^- 3.253\text{h}}$
$\frac{1648.43}{1650.0}$	Bi_{83}^{211}	$\frac{210.98892}{210.987269}$	83n	2+0	8+0	18+0	10+11	0+25	0+9	0+0	$\frac{6.7503\text{M}}{\alpha 2.14\text{m}}$
$\frac{1659.50}{1660.1}$	Po_{84}^{213}	$\frac{212.99353}{212.992857}$	84n	2+0	8+0	18+0	10+11	0+25	1+9	0+0	$\frac{8.536\text{M}}{\alpha 3.72\mu\text{s}}$
$\frac{1670.44}{1670.1}$	At_{85}^{215}	$\frac{214.99828}{214.998653}$	85n	2+0	8+0	18+0	12+10	0+25	0+10	0+0	$\frac{8.178\text{M}}{\alpha 0.10\text{ms}}$
$\frac{1680.16}{1680.5}$	Rn_{86}^{217}	$\frac{217.004331}{217.003928}$	86n	2+0	8+0	18+0	12+10	0+25	0+10	1+0	$\frac{7.887\text{M}}{\alpha 0.54\text{ms}}$
$\frac{1690.85}{1690.9}$	Fr_{87}^{219}	$\frac{219.009344}{219.009252}$	87n	2+0	8+0	18+0	12+10	0+25	1+10	1+0	$\frac{7.4485\text{M}}{\alpha 20.0\text{ms}}$
$\frac{1702.44}{1702.0}$	Ra_{88}^{221}	$\frac{221.01339}{221.013917}$	88n	2+0	8+0	18+0	14+9	0+25	0+11	1+0	$\frac{6.8804\text{M}}{\alpha 28.0\text{s}}$

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$\frac{1711.88}{1712.4}$	Ac_{89}^{223}	$\frac{223.01975}{223.019137}$	89n	2+0	8+0	18+0	14+9	0+25	1+11	1+0	$\frac{6.7832\text{M}}{\alpha 2.10\text{m}}$
$\frac{1723.33}{1723.3}$	Th_{90}^{225}	$\frac{225.023951}{225.023951}$	90n	2+0	8+0	18+0	16+8	0+25	1+12	0+0	$\frac{6.9214\text{M}}{\alpha 8.75\text{m}}$
$\frac{1733.55}{1734.2}$	Pa_{91}^{227}	$\frac{227.02946}{227.028805}$	91n	2+0	8+0	18+0	18+7	0+25	0+13	0+0	$\frac{6.5804\text{M}}{\alpha 38.3\text{m}}$
$\frac{1743.64}{1745.1}$	U_{92}^{229}	$\frac{229.03512}{229.033506}$	92n	2+0	8+0	18+0	18+7	0+25	1+13	0+0	$\frac{6.475\text{M}}{ce 58.0\text{m}}$
$\frac{1753.99}{1756.1}$	Np_{93}^{231}	$\frac{231.04050}{231.03825}$	93n	2+0	8+0	18+0	20+6	0+25	0+14	0+0	$\frac{6.370\text{M}}{ce 48.8\text{m}}$
$\frac{1764.53}{1767.0}$	Pu_{94}^{233}	$\frac{233.04567}{233.04300}$	94n	2+0	8+0	18+0	20+6	0+25	1+14	0+0	$\frac{6.420\text{M}}{ce 20.9\text{m}}$
$\frac{1775.17}{-}$	Am_{95}^{235}	$\frac{235.05074}{-}$	95n	2+0	8+0	18+0	22+5	0+25	0+15	0+0	$\frac{6.576\text{M}}{ce 10.3\text{m}}$
$\frac{1785.86}{-}$	Cm_{96}^{237}	$\frac{237.05576}{-}$	96n	2+0	8+0	18+0	22+5	0+25	1+15	0+0	$\frac{6.770\text{M}}{ce 20\text{m}}$
$\frac{1796.61}{-}$	Bk_{97}^{239}	$\frac{239.06071}{-}$	97n	2+0	8+0	18+0	24+4	0+25	0+16	0+0	$\frac{7.200\text{M}}{ce 3\text{m}}$
$\frac{1807.38}{-}$	Cf_{98}^{241}	$\frac{241.06563}{-}$	98n	2+0	8+0	18+0	24+4	0+25	1+16	0+0	$\frac{7.660\text{M}}{ce 3.78\text{m}}$
$\frac{1818.18}{-}$	Es_{99}^{243}	$\frac{243.07053}{-}$	99n	2+0	8+0	18+0	26+3	0+25	0+17	0+0	$\frac{8.072\text{M}}{\alpha 23.0\text{s}}$
$\frac{1828.39}{1829.0}$	Fm_{100}^{245}	$\frac{245.07606}{245.075385}$	100n	2+0	8+0	18+0	26+3	0+25	0+17	1+0	$\frac{8.440\text{M}}{\alpha 4.20\text{s}}$
$\frac{1838.47}{1838.6}$	Md_{101}^{247}	$\frac{247.08173}{247.081635}$	101n	2+0	8+0	18+0	26+3	0+25	1+17	1+0	$\frac{8.764\text{M}}{\alpha 1.20\text{s}}$
$\frac{1848.49}{-}$	No_{102}^{249}	$\frac{249.08746}{-}$	102n	2+0	8+0	18+0	28+2	0+25	0+18	1+0	$\frac{9.170\text{M}}{ce 57\mu\text{s}}$
$\frac{1857.27}{1857.4}$	Lw_{103}^{251}	$\frac{251.09452}{251.09436}$	103n	2+0	8+0	18+0	30+1	0+25	0+18	0+1	$\frac{9.500\text{M}}{\alpha 150\mu\text{s}}$
$\frac{1867.15}{1867.7}$	Rf_{104}^{253}	$\frac{253.10041}{253.10069}$	104n	2+0	8+0	18+0	30+1	0+25	1+18	0+1	$\frac{9.600\text{M}}{FS 48\mu\text{s}}$
$\frac{1876.20}{1876.0}$	Db_{105}^{255}	$\frac{255.10718}{255.10740}$	105n	2+0	8+0	18+0	30+1	1+24	0+20	1+0	$\frac{9.400\text{M}}{\alpha 1.60\text{s}}$
$\frac{1885.96}{-}$	Sg_{106}^{257}	$\frac{257.11319}{-}$	106n	2+0	8+0	18+0	30+1	1+24	1+20	1+0	$\frac{9.503\text{M}}{-}$