

TAVOLA PERIODICA DEI NUCLEI ATOMICI
configurazione dei livelli nucleari degli isodiaferi I = +35

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_\alpha(\text{eV})}{T_{1/2}}$
$\frac{1016.92}{-}$	Rh ¹²⁵ ₄₅	$\frac{124.95361}{-}$	45n	2+0	6+1	0+9	0+14	1+5	0+6	1+0	$\frac{-}{\beta^- >393\text{ns}}$
$\frac{1039.77}{-}$	Pd ¹²⁷ ₄₆	$\frac{126.94557}{-}$	46n	2+0	8+0	0+9	0+15	0+6	1+4	0+1	$\frac{-}{\beta^-}$
$\frac{1056.63}{1056.9}$	Ag ¹²⁹ ₄₇	$\frac{128.94396}{128.94369}$	47n	2+0	8+0	2+8	0+16	0+4	0+6	0+1	$\frac{-11.64\text{M}}{\beta^- 46.0\text{ms}}$
$\frac{1075.14}{1075.1}$	Cd ¹³¹ ₄₈	$\frac{130.94058}{130.94067}$	48n	2+0	8+0	2+8	0+15	0+8	0+4	1+0	$\frac{-7.050\text{M}}{\beta^- 68.0\text{ms}}$
$\frac{1093.27}{1093.1}$	In ¹³³ ₄₉	$\frac{132.93760}{132.93781}$	49n	2+0	8+0	2+8	0+16	1+6	0+5	1+0	$\frac{-7.600\text{M}}{\beta^- 165\text{ms}}$
$\frac{1111.22}{1111.3}$	Sn ¹³⁵ ₅₀	$\frac{134.93483}{134.93473}$	50n	2+0	8+0	2+8	1+15	1+9	1+2	0+1	$\frac{-7.700\text{M}}{\beta^- 530\text{ms}}$
$\frac{1126.08}{1126.1}$	Sb ¹³⁷ ₅₁	$\frac{136.93531}{136.93531}$	51n	2+0	8+0	4+7	0+16	0+8	1+4	1+0	$\frac{-5.100\text{M}}{\beta^- 492\text{ms}}$
$\frac{1142.24}{1142.0}$	Te ¹³⁹ ₅₂	$\frac{138.93450}{138.93473}$	52n	2+0	8+0	6+6	0+16	0+9	1+3	0+1	$\frac{-2.200\text{M}}{\beta^- 500\text{ms}}$
$\frac{1157.72}{1157.1}$	I ¹⁴¹ ₅₃	$\frac{140.93438}{140.93503}$	53n	2+0	8+0	6+6	0+16	1+9	1+3	0+1	$\frac{-2.300\text{M}}{\beta^- 430\text{ms}}$
$\frac{1171.95}{1172.4}$	Xe ¹⁴³ ₅₄	$\frac{142.93559}{142.93511}$	54n	2+0	8+0	8+5	0+16	0+9	1+5	0+0	$\frac{-2.200\text{M}}{\beta^- 511\text{ms}}$
$\frac{1187.25}{1187.4}$	Cs ¹⁴⁵ ₅₅	$\frac{144.93565}{144.93526}$	55n	2+0	8+0	8+5	0+16	1+9	1+5	0+0	$\frac{-2.180\text{M}}{\beta^- 0.587\text{s}}$
$\frac{1203.68}{1203.3}$	Ba ¹⁴⁷ ₅₆	$\frac{146.93451}{146.93495}$	56n	2+0	8+0	10+4	0+16	0+11	1+3	0+1	$\frac{-2.486\text{M}}{\beta^- 0.894\text{s}}$
$\frac{1219.14}{1218.8}$	La ¹⁴⁹ ₅₇	$\frac{148.93440}{148.93473}$	57n	2+0	8+0	12+3	0+16	0+11	0+5	0+0	$\frac{-2.590\text{M}}{\beta^- 1.05\text{s}}$
$\frac{1234.20}{1234.9}$	Ce ¹⁵¹ ₅₈	$\frac{150.93472}{150.93398}$	58n	2+0	8+0	12+3	0+16	1+11	0+5	0+0	$\frac{-3.390\text{M}}{\beta^- 1.76\text{s}}$
$\frac{1250.72}{1250.4}$	Pr ¹⁵³ ₅₉	$\frac{152.93348}{152.93384}$	59n	2+0	8+0	12+3	0+16	1+12	1+4	0+0	$\frac{-3.790\text{M}}{\beta^- 4.28\text{s}}$
$\frac{1267.19}{1266.6}$	Nd ¹⁵⁵ ₆₀	$\frac{154.93228}{154.93293}$	60n	2+0	8+0	14+2	0+16	1+13	0+4	0+0	$\frac{-3.670\text{M}}{\beta^- 8.90\text{s}}$
$\frac{1282.02}{1281.8}$	Pm ¹⁵⁷ ₆₁	$\frac{156.93285}{156.93304}$	61n	2+0	8+0	16+1	0+16	0+14	0+4	0+0	$\frac{-3.210\text{M}}{\beta^- 10.56\text{s}}$

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$\frac{1297.28}{1297.0}$	Sm ¹⁵⁹ ₆₂	$\frac{158.93296}{158.93321}$	62n	2+0	8+0	16+1	0+15	1+17	0+2	0+0	$\frac{-2.200\text{M}}{\beta^- 11.37\text{s}}$
$\frac{1311.42}{1312.0}$	Eu ¹⁶¹ ₆₃	$\frac{160.93427}{160.93368}$	63n	2+0	8+0	18+0	0+16	0+15	0+4	0+0	$\frac{-1.860\text{M}}{\beta^- 26.0\text{s}}$
$\frac{1326.49}{1327.0}$	Gd ¹⁶³ ₆₄	$\frac{162.93458}{162.93399}$	64n	2+0	8+0	18+0	0+15	1+18	0+2	0+0	$\frac{-1.650\text{M}}{\beta^- 68.0\text{s}}$
$\frac{1342.07}{1341.6}$	Tb ¹⁶⁵ ₆₅	$\frac{164.93435}{164.93488}$	65n	2+0	8+0	18+0	0+16	1+16	1+3	0+0	$\frac{-1.280\text{M}}{\beta^- 2.11\text{m}}$
$\frac{1356.47}{1356.2}$	Dy ¹⁶⁷ ₆₆	$\frac{166.93538}{166.93566}$	66n	2+0	8+0	18+0	2+15	0+17	1+3	0+0	$\frac{-880\text{K}}{\beta^- 6.20\text{m}}$
$\frac{1370.78}{1370.4}$	Ho ¹⁶⁹ ₆₇	$\frac{168.93651}{168.93682}$	67n	2+0	8+0	18+0	2+15	1+17	1+3	0+0	$\frac{-560\text{K}}{\beta^- 4.72\text{m}}$
$\frac{1385.00}{1384.7}$	Er ¹⁷¹ ₆₈	$\frac{170.93773}{170.93803}$	68n	2+0	8+0	18+0	4+14	0+18	1+3	0+0	$\frac{-210\text{K}}{\beta^- 7.516\text{h}}$
$\frac{1399.12}{1398.6}$	Tm ¹⁷³ ₆₉	$\frac{172.93906}{172.939604}$	69n	2+0	8+0	18+0	4+14	1+18	1+3	0+0	$\frac{118\text{K}}{\beta^- 8.24\text{h}}$
$\frac{1413.16}{1412.4}$	Yb ¹⁷⁵ ₇₀	$\frac{174.94048}{174.941276}$	70n	2+0	8+0	18+0	6+13	0+19	1+3	0+0	$\frac{598.0\text{K}}{\beta^- 4.185\text{d}}$
$\frac{1425.42}{1425.5}$	Lu ¹⁷⁷ ₇₁	$\frac{176.94381}{176.943758}$	71n	2+0	8+0	18+0	8+12	0+19	0+4	0+0	$\frac{1.444\text{M}}{\beta^- 6.647\text{d}}$
$\frac{1439.26}{1438.9}$	Hf ¹⁷⁹ ₇₂	$\frac{178.94544}{178.945816}$	72n	2+0	8+0	18+0	8+12	1+19	0+4	0+0	$\frac{1.8031\text{M}}{\text{st}}$
$\frac{1453.01}{1452.2}$	Ta ¹⁸¹ ₇₃	$\frac{180.94717}{180.947996}$	73n	2+0	8+0	18+0	10+11	0+20	0+4	0+0	$\frac{1.5175\text{M}}{\text{st}}$
$\frac{1464.94}{1465.5}$	W ¹⁸³ ₇₄	$\frac{182.95085}{182.950223}$	74n	2+0	8+0	18+0	10+11	0+20	1+4	0+0	$\frac{1.6753\text{M}}{\alpha 1.3 \cdot 10^{19}\text{a}}$
$\frac{1478.50}{1478.3}$	Re ¹⁸⁵ ₇₅	$\frac{184.95278}{184.952955}$	75n	2+0	8+0	18+0	10+11	1+20	1+4	0+0	$\frac{2.1945\text{M}}{\text{st}}$
$\frac{1490.22}{1491.1}$	Os ¹⁸⁷ ₇₆	$\frac{186.95669}{186.955750}$	76n	2+0	8+0	18+0	12+10	1+20	0+5	0+0	$\frac{2.7213\text{M}}{\text{st}}$
$\frac{1503.57}{1503.7}$	Ir ¹⁸⁹ ₇₇	$\frac{188.95885}{188.958719}$	77n	2+0	8+0	18+0	14+9	0+21	0+5	0+0	$\frac{2.941\text{M}}{\text{ce } 13.2\text{d}}$
$\frac{1516.83}{1516.3}$	Pt ¹⁹¹ ₇₈	$\frac{190.96110}{190.961677}$	78n	2+0	8+0	18+0	14+9	1+21	0+5	0+0	$\frac{3.095\text{M}}{\text{ce } 2.83\text{d}}$

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$\frac{1530.00}{1529.4}$	Au ¹⁹³ ₇₉	$\frac{192.96346}{192.964150}$	79n	2+0	8+0	18+0	16+8	0+22	0+5	0+0	$\frac{2.626\text{M}}{\text{ce } 17.65\text{h}}$
$\frac{1543.07}{1542.3}$	Hg ¹⁹⁵ ₈₀	$\frac{194.96591}{194.966720}$	80n	2+0	8+0	18+0	16+8	1+22	0+5	0+0	$\frac{2.276\text{M}}{\text{ce } 10.53\text{h}}$
$\frac{1554.25}{1555.0}$	Tl ¹⁹⁷ ₈₁	$\frac{196.97040}{196.969575}$	81n	2+0	8+0	18+0	16+8	1+22	1+5	0+0	$\frac{2.640\text{M}}{\text{ce } 2.84\text{h}}$
$\frac{1567.11}{1567.3}$	Pb ¹⁹⁹ ₈₂	$\frac{198.97309}{198.972917}$	82n	2+0	8+0	18+0	18+7	0+23	1+5	0+0	$\frac{3.340\text{M}}{\text{ce } 90.0\text{m}}$
$\frac{1578.79}{1578.8}$	Bi ²⁰¹ ₈₃	$\frac{200.977009}{200.977009}$	83n	2+0	8+0	18+0	18+7	1+23	0+5	1+0	$\frac{4.500\text{M}}{\text{ce } 103\text{m}}$
$\frac{1590.42}{1590.1}$	Po ²⁰³ ₈₄	$\frac{202.98104}{202.981420}$	84n	2+0	8+0	18+0	20+6	0+24	1+4	0+1	$\frac{5.496\text{M}}{\text{ce } 36.7\text{m}}$
$\frac{1600.57}{1601.1}$	At ²⁰⁵ ₈₅	$\frac{204.98664}{204.986074}$	85n	2+0	8+0	18+0	20+6	1+23	0+6	1+0	$\frac{6.0195\text{M}}{\text{ce } 26.9\text{m}}$
$\frac{1612.11}{1612.1}$	Rn ²⁰⁷ ₈₆	$\frac{206.990734}{206.990734}$	86n	2+0	8+0	18+0	22+5	0+24	1+5	0+1	$\frac{6.2511\text{M}}{\text{ce } 9.25\text{m}}$
$\frac{1622.15}{1622.6}$	Fr ²⁰⁹ ₈₇	$\frac{208.99645}{208.995954}$	87n	2+0	8+0	18+0	22+5	1+23	0+7	1+0	$\frac{6.777\text{M}}{\alpha } 50.5\text{s}$
$\frac{1633.59}{1633.4}$	Ra ²¹¹ ₈₈	$\frac{211.000657}{211.000898}$	88n	2+0	8+0	18+0	24+4	0+24	1+6	0+1	$\frac{7.042\text{M}}{\alpha } 13.0\text{s}$
$\frac{1643.51}{1643.4}$	Ac ²¹³ ₈₉	$\frac{213.00650}{213.00661}$	89n	2+0	8+0	18+0	24+4	1+23	0+8	1+0	$\frac{7.500\text{M}}{\alpha } 0.738\text{s}$
$\frac{1654.10}{1654.0}$	Th ²¹⁵ ₉₀	$\frac{215.01162}{215.01173}$	90n	2+0	8+0	18+0	24+4	1+23	1+8	1+0	$\frac{7.665\text{M}}{\alpha } 1.20\text{s}$
$\frac{1662.76}{1663.2}$	Pa ²¹⁷ ₉₁	$\frac{217.01881}{217.01832}$	91n	2+0	8+0	18+0	26+3	0+23	1+9	1+0	$\frac{8.491\text{M}}{\alpha } 3.60\text{ms}$
$\frac{1672.10}{1672.4}$	U ²¹⁹ ₉₂	$\frac{219.02527}{219.02492}$	92n	2+0	8+0	18+0	28+2	0+23	1+9	0+1	$\frac{8.491\text{M}}{\alpha } 3.60\text{ms}$
$\frac{1680.62}{-}$	Np ²²¹ ₉₃	$\frac{221.03262}{-}$	93n	2+0	8+0	18+0	28+2	1+22	1+10	0+1	$\frac{9.960\text{M}}{\alpha } 42\mu\text{s}$
$\frac{1690.20}{-}$	Pu ²²³ ₉₄	$\frac{223.03882}{-}$	94n	2+0	8+0	18+0	30+1	0+22	0+12	1+0	$\frac{10.32\text{M}}{-}$
$\frac{1704.24}{-}$	Am ²²⁵ ₉₅	$\frac{225.04024}{-}$	95n	2+0	8+0	18+0	30+1	0+23	1+11	1+0	$\frac{4.673\text{M}}{-}$