

TAVOLA PERIODICA DEI NUCLEI ATOMICI
configurazione dei livelli nucleari degli isodiaferi I = +38

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_\alpha(\text{eV})}{T_{1/2}}$
$\frac{1087.08}{-}$	Cd_{48}^{134}	$\frac{133.95376}{-}$	48n	2+0	6+1	0+9	0+15	1+6	0+7	1+0	$\frac{-}{\beta^-}$
$\frac{1102.95}{-}$	In_{49}^{136}	$\frac{135.95321}{-}$	49n	2+0	8+0	0+9	0+15	0+7	0+7	1+0	$\frac{-}{\beta^-}$
$\frac{1119.28}{-}$	Sn_{50}^{138}	$\frac{137.95217}{-}$	50n	2+0	8+0	2+8	0+15	0+8	0+6	0+1	$\frac{-3.883\text{M}}{\beta^- >408\text{ns}}$
$\frac{1135.93}{-}$	Sb_{51}^{140}	$\frac{139.95078}{-}$	51n	2+0	8+0	2+8	0+16	0+6	1+7	0+1	$\frac{-4.665\text{M}}{\beta^- >407\text{ns}}$
$\frac{1152.99}{1152.9}$	Te_{52}^{142}	$\frac{141.94895}{141.94908}$	52n	2+0	8+0	4+7	0+16	0+7	0+7	0+1	$\frac{-5.401\text{M}}{\beta^- 50\text{ms}}$
$\frac{1167.05}{1167.4}$	I_{53}^{144}	$\frac{143.95035}{143.94999}$	53n	2+0	8+0	4+7	0+16	0+7	1+7	0+1	$\frac{-2.802\text{M}}{\beta^- 50\text{ms}}$
$\frac{1184.82}{1184.8}$	Xe_{54}^{146}	$\frac{145.94775}{145.94775}$	54n	2+0	8+0	4+7	0+16	0+8	1+7	1+0	$\frac{-3.500\text{M}}{\beta^- 146\text{ms}}$
$\frac{1198.72}{1198.8}$	Cs_{55}^{148}	$\frac{147.94933}{147.94922}$	55n	2+0	8+0	6+6	0+16	0+8	0+8	1+0	$\frac{-3.900\text{M}}{\beta^- 146\text{ms}}$
$\frac{1217.00}{1217.5}$	Ba_{56}^{150}	$\frac{149.94620}{149.94568}$	56n	2+0	8+0	6+6	0+16	1+9	0+7	1+0	$\frac{-4.800\text{M}}{\beta^- 300\text{ms}}$
$\frac{1232.81}{1232.3}$	La_{57}^{152}	$\frac{151.94572}{151.94625}$	57n	2+0	8+0	8+5	0+16	1+10	0+6	0+1	$\frac{-4.900\text{M}}{\beta^- 200\text{ms}}$
$\frac{1250.39}{1250.3}$	Ce_{58}^{154}	$\frac{153.94333}{153.94342}$	58n	2+0	8+0	8+5	0+16	1+11	0+6	1+0	$\frac{-4.800\text{M}}{\beta^- 300\text{ms}}$
$\frac{1264.52}{1264.9}$	Pr_{59}^{156}	$\frac{155.94466}{155.94427}$	59n	2+0	8+0	10+4	0+16	0+12	1+5	0+1	$\frac{-4.600\text{M}}{\beta^- 500\text{ms}}$
$\frac{1282.60}{1282.7}$	Nd_{60}^{158}	$\frac{157.94174}{157.94160}$	60n	2+0	8+0	10+4	0+16	1+13	1+4	0+1	$\frac{-4.100\text{M}}{\beta^- 700\text{ms}}$
$\frac{1296.87}{1296.8}$	Pm_{61}^{160}	$\frac{159.94291}{159.94299}$	61n	2+0	8+0	10+4	0+16	1+13	1+5	1+0	$\frac{-3.600\text{M}}{\beta^- 2\text{s}}$
$\frac{1313.91}{1313.8}$	Sm_{62}^{162}	$\frac{161.94110}{161.94122}$	62n	2+0	8+0	14+2	0+16	0+15	0+4	0+1	$\frac{-2.800\text{M}}{\beta^- 2.40\text{s}}$
$\frac{1327.04}{1327.5}$	Eu_{63}^{164}	$\frac{163.94350}{163.94299}$	63n	2+0	8+0	14+2	0+16	0+15	1+4	0+1	$\frac{-2.700\text{M}}{\beta^- 4.20\text{s}}$
$\frac{1344.25}{1344.2}$	Gd_{64}^{166}	$\frac{165.94151}{165.94160}$	64n	2+0	8+0	14+2	0+16	0+16	1+4	1+0	$\frac{-2.200\text{M}}{\beta^- 4.80\text{s}}$

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$\frac{1357.84}{1357.6}$	Tb ¹⁶⁸ ₆₅	$\frac{167.94341}{167.94364}$	65n	2+0	8+0	16+1	0+16	1+16	0+4	0+1	$\frac{-1.600M}{\beta^- 8.20s}$
$\frac{1373.94}{1374.2}$	Dy ¹⁷⁰ ₆₆	$\frac{169.94262}{169.94239}$	66n	2+0	8+0	16+1	0+16	1+17	1+3	0+1	$\frac{-1.600M}{\beta^- 30s}$
$\frac{1386.68}{1387.2}$	Ho ¹⁷² ₆₇	$\frac{171.94543}{171.94482}$	67n	2+0	8+0	18+0	0+16	1+17	0+4	0+1	$\frac{-1.300M}{\beta^- 25.0s}$
$\frac{1403.62}{1403.2}$	Er ¹⁷⁴ ₆₈	$\frac{173.94374}{173.94423}$	68n	2+0	8+0	18+0	0+16	1+18	0+4	1+0	$\frac{-700K}{\beta^- 3.20m}$
$\frac{1416.15}{1415.9}$	Tm ¹⁷⁶ ₆₉	$\frac{175.94677}{175.94699}$	69n	2+0	8+0	18+0	0+16	1+18	1+4	1+0	$\frac{-310K}{\beta^- 1.90m}$
$\frac{1431.27}{1431.6}$	Yb ¹⁷⁸ ₇₀	$\frac{177.94703}{177.946647}$	70n	2+0	8+0	18+0	4+14	0+19	0+5	0+0	$\frac{-150K}{\beta^- 74.0m}$
$\frac{1443.60}{1444.0}$	Lu ¹⁸⁰ ₇₁	$\frac{179.95028}{179.94988}$	71n	2+0	8+0	18+0	4+14	0+19	1+5	0+0	$\frac{260K}{\beta^- 5.70m}$
$\frac{1459.21}{1458.7}$	Hf ¹⁸² ₇₂	$\frac{181.95002}{181.950554}$	72n	2+0	8+0	18+0	6+13	0+20	0+5	0+0	$\frac{1.214M}{\beta^- 8.9 \cdot 10^6 a}$
$\frac{1471.33}{1470.9}$	Ta ¹⁸⁴ ₇₃	$\frac{183.95350}{183.954008}$	73n	2+0	8+0	18+0	6+13	0+20	1+5	0+0	$\frac{1.410M}{\beta^- 8.7h}$
$\frac{1486.78}{1485.9}$	W ¹⁸⁶ ₇₄	$\frac{185.95340}{185.954364}$	74n	2+0	8+0	18+0	8+12	0+21	0+5	0+0	$\frac{1.118M}{2\beta^- 3 \cdot 10^{19} a}$
$\frac{1496.96}{1497.7}$	Re ¹⁸⁸ ₇₅	$\frac{187.95896}{187.958114}$	75n	2+0	8+0	18+0	8+12	1+20	0+6	0+0	$\frac{1.400M}{\beta^- 17.003h}$
$\frac{1512.22}{1512.8}$	Os ¹⁹⁰ ₇₆	$\frac{189.95907}{189.958447}$	76n	2+0	8+0	18+0	8+12	1+21	1+5	0+0	$\frac{1.3767M}{st}$
$\frac{1523.91}{1524.3}$	Ir ¹⁹² ₇₇	$\frac{191.96301}{191.962605}$	77n	2+0	8+0	18+0	10+11	1+21	0+6	0+0	$\frac{1.7564M}{\beta^- 73.829d}$
$\frac{1539.00}{1539.6}$	Pt ¹⁹⁴ ₇₈	$\frac{193.96330}{193.962680}$	78n	2+0	8+0	18+0	10+11	1+22	1+5	0+0	$\frac{1.5219M}{st}$
$\frac{1550.48}{1551.3}$	Au ¹⁹⁶ ₇₉	$\frac{195.96746}{195.966570}$	79n	2+0	8+0	18+0	12+10	1+22	0+6	0+0	$\frac{1.273M}{ce 6.1669d}$
$\frac{1567.17}{1566.5}$	Hg ¹⁹⁸ ₈₀	$\frac{197.96604}{197.966769}$	80n	2+0	8+0	18+0	14+9	0+24	0+5	0+0	$\frac{1.3828M}{st}$
$\frac{1578.44}{1577.9}$	Tl ²⁰⁰ ₈₁	$\frac{199.97043}{199.970963}$	81n	2+0	8+0	18+0	14+9	0+24	1+5	0+0	$\frac{1.668M}{ce 26.10h}$

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$\frac{1591.38}{1592.2}$	Pb ²⁰² ₈₂	$\frac{201.97303}{201.972159}$	82n	2+0	8+0	18+0	14+9	1+24	1+5	0+0	$\frac{2.593\text{M}}{\text{ce } 52500\text{a}}$
$\frac{1602.43}{1602.3}$	Bi ²⁰⁴ ₈₃	$\frac{203.97765}{203.977813}$	83n	2+0	8+0	18+0	16+8	1+24	0+6	0+0	$\frac{3.977\text{M}}{\text{ce } 11.22\text{h}}$
$\frac{1615.22}{1615.2}$	Po ²⁰⁶ ₈₄	$\frac{205.980481}{205.980481}$	84n	2+0	8+0	18+0	18+7	0+25	0+6	0+0	$\frac{5.327\text{M}}{\text{ce } 8.80\text{d}}$
$\frac{1625.09}{1624.8}$	At ²⁰⁸ ₈₅	$\frac{207.98631}{207.986590}$	85n	2+0	8+0	18+0	18+7	0+25	0+6	1+0	$\frac{5.001\text{M}}{\text{ce } 1.63\text{h}}$
$\frac{1637.08}{1637.3}$	Rn ²¹⁰ ₈₆	$\frac{209.98992}{209.989696}$	86n	2+0	8+0	18+0	20+6	0+25	0+7	0+0	$\frac{6.1589\text{M}}{\alpha } 2.40\text{h}$
$\frac{1646.82}{1646.6}$	Fr ²¹² ₈₇	$\frac{211.99596}{211.996202}$	87n	2+0	8+0	18+0	20+6	0+25	0+7	1+0	$\frac{6.5289\text{M}}{\text{ce } 20.0\text{m}}$
$\frac{1657.60}{1658.3}$	Ra ²¹⁴ ₈₈	$\frac{214.000875}{214.000108}$	88n	2+0	8+0	18+0	20+6	0+25	1+7	1+0	$\frac{7.273\text{M}}{\alpha } 2.46\text{s}$
$\frac{1666.47}{1665.7}$	Ac ²¹⁶ ₈₉	$\frac{216.00784}{216.008720}$	89n	2+0	8+0	18+0	20+6	1+24	1+8	1+0	$\frac{9.235\text{M}}{\alpha } 440\mu\text{s}$
$\frac{1677.13}{1676.8}$	Th ²¹⁸ ₉₀	$\frac{218.01289}{218.013284}$	90n	2+0	8+0	18+0	22+5	1+24	0+9	1+0	$\frac{9.849\text{M}}{\alpha } 117\text{ns}$
$\frac{1684.74}{1684.1}$	Pa ²²⁰ ₉₁	$\frac{220.02121}{220.02188}$	91n	2+0	8+0	18+0	24+4	0+24	1+9	0+1	$\frac{9.830\text{M}}{\alpha } 0.78\mu\text{s}$
$\frac{1695.27}{1695.6}$	U ²²² ₉₂	$\frac{222.02639}{222.02609}$	92n	2+0	8+0	18+0	26+3	0+24	0+10	0+1	$\frac{9.500\text{M}}{\alpha } 1.0\mu\text{s}$
$\frac{1703.10}{-}$	Np ²²⁴ ₉₃	$\frac{224.03448}{-}$	93n	2+0	8+0	18+0	26+3	0+23	0+12	1+0	$\frac{9.959\text{M}}{-}$
$\frac{1715.37}{-}$	Pu ²²⁶ ₉₄	$\frac{226.03780}{-}$	94n	2+0	8+0	18+0	26+3	1+23	0+12	1+0	$\frac{8.227\text{M}}{-}$
$\frac{1725.70}{-}$	Am ²²⁸ ₉₅	$\frac{228.04320}{-}$	95n	2+0	8+0	18+0	26+3	1+23	1+12	1+0	$\frac{5.721\text{M}}{-}$
$\frac{1735.97}{-}$	Cm ²³⁰ ₉₆	$\frac{230.04866}{-}$	96n	2+0	8+0	18+0	28+2	1+23	0+13	1+0	$\frac{7.714\text{M}}{-}$
$\frac{1746.93}{-}$	Bk ²³² ₉₇	$\frac{232.05338}{-}$	97n	2+0	8+0	18+0	28+2	0+24	1+12	0+1	$\frac{7.081\text{M}}{-}$
$\frac{1754.41}{-}$	Cf ²³⁴ ₉₈	$\frac{234.06185}{-}$	98n	2+0	8+0	18+0	30+1	0+23	1+14	1+0	$\frac{9.885\text{M}}{-}$