

TAVOLA PERIODICA DEI NUCLEI ATOMICI
configurazione dei livelli nucleari degli isodiaferi I = +36

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_\alpha(\text{eV})}{T_{1/2}}$
$\frac{1045.08}{-}$	Pd ₄₆ ¹²⁸	$\frac{127.94853}{-}$	46n	2+0	8+0	0+9	0+15	0+6	0+5	0+1	$\frac{-}{\beta^- >394\text{ns}}$
$\frac{1058.28}{1058.7}$	Ag ₄₇ ¹³⁰	$\frac{129.95086}{129.95045}$	47n	2+0	8+0	0+9	0+15	1+5	0+6	0+1	$\frac{-}{\beta^- 50\text{ms}}$
$\frac{1079.12}{1078.6}$	Cd ₄₈ ¹³²	$\frac{131.94497}{131.94555}$	48n	2+0	8+0	0+9	0+15	1+7	0+5	1+0	$\frac{-5.178\text{M}}{\beta^- 97.0\text{ms}}$
$\frac{1095.03}{1095.2}$	In ₄₉ ¹³⁴	$\frac{133.94438}{133.94415}$	49n	2+0	8+0	2+8	0+16	1+5	0+6	0+1	$\frac{-8.200\text{M}}{\beta^- 140\text{ms}}$
$\frac{1115.25}{1115.1}$	Sn ₅₀ ¹³⁶	$\frac{135.93916}{135.93934}$	50n	2+0	8+0	2+8	1+15	0+9	1+3	0+1	$\frac{-7.900\text{M}}{\beta^- 250\text{ms}}$
$\frac{1129.27}{1129.1}$	Sb ₅₁ ¹³⁸	$\frac{137.94060}{137.94079}$	51n	2+0	8+0	4+7	0+16	1+7	0+5	0+1	$\frac{-5.200\text{M}}{\beta^- 350\text{ms}}$
$\frac{1146.29}{1146.3}$	Te ₅₂ ¹⁴⁰	$\frac{139.93885}{139.93885}$	52n	2+0	8+0	4+7	0+16	1+8	1+4	0+1	$\frac{-2.700\text{M}}{\beta^- 300\text{ms}}$
$\frac{1160.34}{1160.4}$	I ₅₃ ¹⁴²	$\frac{141.94023}{141.94018}$	53n	2+0	8+0	6+6	0+16	1+8	0+5	0+1	$\frac{-2.600\text{M}}{\beta^- 222\text{ms}}$
$\frac{1177.54}{1177.3}$	Xe ₅₄ ¹⁴⁴	$\frac{143.93825}{143.93851}$	54n	2+0	8+0	8+5	0+16	0+9	0+6	0+0	$\frac{-2.700\text{M}}{\beta^- 388\text{ms}}$
$\frac{1191.38}{1191.0}$	Cs ₅₅ ¹⁴⁶	$\frac{145.93989}{145.94029}$	55n	2+0	8+0	8+5	0+16	0+9	1+6	0+0	$\frac{-3.00\text{M}}{\beta^- 321\text{ms}}$
$\frac{1209.33}{1208.8}$	Ba ₅₆ ¹⁴⁸	$\frac{147.93710}{147.93772}$	56n	2+0	8+0	10+4	0+16	0+11	0+4	0+1	$\frac{-3.150\text{M}}{\beta^- 0.612\text{s}}$
$\frac{1222.98}{1223.1}$	La ₅₇ ¹⁵⁰	$\frac{149.93894}{149.93877}$	57n	2+0	8+0	10+4	0+16	0+11	1+4	0+1	$\frac{-3.410\text{M}}{\beta^- 0.86\text{s}}$
$\frac{1240.51}{1240.6}$	Ce ₅₈ ¹⁵²	$\frac{151.93661}{151.93654}$	58n	2+0	8+0	10+4	0+16	0+12	1+4	1+0	$\frac{-4.140\text{M}}{\beta^- 1.40\text{s}}$
$\frac{1255.52}{1255.0}$	Pr ₅₉ ¹⁵⁴	$\frac{153.93699}{153.93752}$	59n	2+0	8+0	10+4	0+16	1+12	1+4	1+0	$\frac{-4.070\text{M}}{\beta^- 2.30\text{s}}$
$\frac{1272.01}{1272.7}$	Nd ₆₀ ¹⁵⁶	$\frac{155.93577}{155.93502}$	60n	2+0	8+0	12+3	0+16	1+13	0+4	1+0	$\frac{-3.600\text{M}}{\beta^- 5.06\text{s}}$
$\frac{1286.86}{1286.6}$	Pm ₆₁ ¹⁵⁸	$\frac{157.93632}{157.93656}$	61n	2+0	8+0	14+2	0+16	0+14	0+4	1+0	$\frac{-3.360\text{M}}{\beta^- 4.80\text{s}}$
$\frac{1303.21}{1303.3}$	Sm ₆₂ ¹⁶⁰	$\frac{159.93526}{159.93514}$	62n	2+0	8+0	14+2	0+16	0+15	1+3	1+0	$\frac{-2.300\text{M}}{\beta^- 9.60\text{s}}$

TAVOLA PERIODICA DEI NUCLEI ATOMICI
configurazione dei livelli nucleari degli isodiaferi $I = +36$

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_\alpha(\text{eV})}{T_{1/2}}$
$\frac{1317.26}{1316.9}$	Eu ¹⁶² ₆₃	$\frac{161.93667}{161.93704}$	63n	2+0	8+0	16+1	0+16	0+15	1+4	0+0	$\frac{-1.990M}{\beta^- 10.6s}$
$\frac{1333.72}{1333.4}$	Gd ¹⁶⁴ ₆₄	$\frac{163.93549}{163.93586}$	64n	2+0	8+0	16+1	1+15	1+17	0+3	0+0	$\frac{-1.900M}{\beta^- 45.0s}$
$\frac{1346.36}{1346.7}$	Tb ¹⁶⁶ ₆₅	$\frac{165.93841}{165.93799}$	65n	2+0	8+0	18+0	0+16	0+16	1+4	0+0	$\frac{-1.610M}{\beta^- 25.1s}$
$\frac{1362.41}{1362.9}$	Dy ¹⁶⁸ ₆₆	$\frac{167.93767}{167.93713}$	66n	2+0	8+0	18+0	2+15	0+17	0+4	0+0	$\frac{-1.100M}{\beta^- 8.70m}$
$\frac{1376.74}{1376.0}$	Ho ¹⁷⁰ ₆₇	$\frac{169.93877}{169.93962}$	67n	2+0	8+0	18+0	2+15	1+17	0+4	0+0	$\frac{-780K}{\beta^- 2.76m}$
$\frac{1390.99}{1391.6}$	Er ¹⁷² ₆₈	$\frac{171.93996}{171.93936}$	68n	2+0	8+0	18+0	4+14	0+18	0+4	0+0	$\frac{-350K}{\beta^- 49.3h}$
$\frac{1405.14}{1404.3}$	Tm ¹⁷⁴ ₆₉	$\frac{173.94126}{173.94217}$	69n	2+0	8+0	18+0	4+14	1+18	0+4	0+0	$\frac{-26.4K}{\beta^- 5.40m}$
$\frac{1419.20}{1419.3}$	Yb ¹⁷⁶ ₇₀	$\frac{175.94266}{175.942572}$	70n	2+0	8+0	18+0	6+13	0+19	0+4	0+0	$\frac{570K}{st}$
$\frac{1431.47}{1431.5}$	Lu ¹⁷⁸ ₇₁	$\frac{177.945958}{177.945955}$	71n	2+0	8+0	18+0	6+13	0+19	1+4	0+0	$\frac{1.100M}{\beta^- 28.4m}$
$\frac{1447.04}{1446.3}$	Hf ¹⁸⁰ ₇₂	$\frac{179.94575}{179.94655}$	72n	2+0	8+0	18+0	8+12	0+20	0+4	0+0	$\frac{1.2798M}{st}$
$\frac{1459.11}{1458.3}$	Ta ¹⁸² ₇₃	$\frac{181.94928}{181.950152}$	73n	2+0	8+0	18+0	8+12	0+20	1+4	0+0	$\frac{1.480M}{\beta^- 114.74d}$
$\frac{1472.79}{1473.6}$	W ¹⁸⁴ ₇₄	$\frac{183.95109}{183.950223}$	74n	2+0	8+0	18+0	8+12	1+20	1+4	0+0	$\frac{1.6514M}{\alpha > 1.8 \cdot 10^{20}a}$
$\frac{1484.65}{1484.5}$	Re ¹⁸⁶ ₇₅	$\frac{185.95485}{185.954986}$	75n	2+0	8+0	18+0	10+11	1+20	0+5	0+0	$\frac{2.0781M}{\beta^- 3.7186d}$
$\frac{1498.13}{1499.1}$	Os ¹⁸⁸ ₇₆	$\frac{187.95686}{187.955838}$	76n	2+0	8+0	18+0	12+10	0+21	0+5	0+0	$\frac{2.1434M}{st}$
$\frac{1509.77}{1510.1}$	Ir ¹⁹⁰ ₇₇	$\frac{189.96086}{189.960546}$	77n	2+0	8+0	18+0	12+10	0+21	1+5	0+0	$\frac{2.7501M}{ce 11.78d}$
$\frac{1524.81}{1525.0}$	Pt ¹⁹² ₇₈	$\frac{191.96120}{191.961038}$	78n	2+0	8+0	18+0	14+9	0+22	0+5	0+0	$\frac{2.422M}{st}$
$\frac{1536.23}{1536.3}$	Au ¹⁹⁴ ₇₉	$\frac{193.96543}{193.965365}$	79n	2+0	8+0	18+0	14+9	0+22	1+5	0+0	$\frac{2.069M}{ce 38.02h}$

TAVOLA PERIODICA DEI NUCLEI ATOMICI
configurazione dei livelli nucleari degli isodiaferi I = +36

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_\alpha(\text{eV})}{T_{1/2}}$
$\frac{1551.10}{1551.2}$	Hg ¹⁹⁶ ₈₀	$\frac{195.96596}{195.965833}$	80n	2+0	8+0	18+0	16+8	0+23	0+5	0+0	$\frac{2.040M}{st}$
$\frac{1562.31}{1562.2}$	Tl ¹⁹⁸ ₈₁	$\frac{197.97041}{197.97048}$	81n	2+0	8+0	18+0	16+8	0+23	1+5	0+0	$\frac{2.340M}{ce\ 5.30h}$
$\frac{1577.00}{1576.4}$	Pb ²⁰⁰ ₈₂	$\frac{199.97113}{199.971827}$	82n	2+0	8+0	18+0	18+7	0+24	0+5	0+0	$\frac{3.146M}{ce\ 21.5h}$
$\frac{1586.91}{1586.2}$	Bi ²⁰² ₈₃	$\frac{201.97699}{201.977742}$	83n	2+0	8+0	18+0	18+7	0+24	0+5	1+0	$\frac{4.330M}{ce\ 1.71h}$
$\frac{1599.65}{1599.2}$	Po ²⁰⁴ ₈₄	$\frac{203.97980}{203.980318}$	84n	2+0	8+0	18+0	18+7	1+24	0+5	1+0	$\frac{5.4848M}{ce\ 3.519h}$
$\frac{1608.74}{1608.6}$	At ²⁰⁶ ₈₅	$\frac{205.98653}{205.986667}$	85n	2+0	8+0	18+0	20+6	0+24	0+6	1+0	$\frac{5.8885M}{ce\ 30.6m}$
$\frac{1621.41}{1621.2}$	Rn ²⁰⁸ ₈₆	$\frac{207.98942}{207.989642}$	86n	2+0	8+0	18+0	20+6	1+24	0+6	1+0	$\frac{6.2607M}{\alpha\ 24.35m}$
$\frac{1630.37}{1630.3}$	Fr ²¹⁰ ₈₇	$\frac{209.99629}{209.996408}$	87n	2+0	8+0	18+0	22+5	0+24	0+7	1+0	$\frac{6.672M}{\alpha\ 3.18m}$
$\frac{1642.95}{1642.5}$	Ra ²¹² ₈₈	$\frac{211.99927}{211.999794}$	88n	2+0	8+0	18+0	22+5	1+24	0+7	1+0	$\frac{7.0316M}{\alpha\ 13.0s}$
$\frac{1651.78}{1651.2}$	Ac ²¹⁴ ₈₉	$\frac{214.00628}{214.006902}$	89n	2+0	8+0	18+0	24+4	0+24	0+8	1+0	$\frac{7.352M}{\alpha\ 8.20s}$
$\frac{1662.40}{1662.7}$	Th ²¹⁶ ₉₀	$\frac{216.01137}{216.011062}$	90n	2+0	8+0	18+0	24+4	0+24	1+8	1+0	$\frac{8.073M}{\alpha\ 26.0ms}$
$\frac{1669.97}{1669.7}$	Pa ²¹⁸ ₉₁	$\frac{218.01974}{218.020042}$	91n	2+0	8+0	18+0	26+3	1+23	0+9	0+1	$\frac{9.815M}{\alpha\ 113\mu s}$
$\frac{1680.44}{1680.7}$	U ²²⁰ ₉₂	$\frac{220.02498}{220.02472}$	92n	2+0	8+0	18+0	26+3	1+23	1+9	0+1	$\frac{10.30M}{\alpha\ 60ns}$
$\frac{1687.11}{-}$	Np ²²² ₉₃	$\frac{222.03431}{-}$	93n	2+0	8+0	18+0	28+2	1+22	0+11	0+1	$\frac{10.66M}{-}$
$\frac{1698.59}{-}$	Pu ²²⁴ ₉₄	$\frac{224.03848}{-}$	94n	2+0	8+0	18+0	28+2	1+22	0+12	1+0	$\frac{10.20M}{-}$
$\frac{1710.77}{-}$	Am ²²⁶ ₉₅	$\frac{226.04189}{-}$	95n	2+0	8+0	18+0	30+1	0+23	0+12	1+0	$\frac{4.636M}{-}$