

TAVOLA PERIODICA DEI NUCLEI ATOMICI
configurazione dei livelli nucleari degli isodiaferi I = +34

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_\alpha(\text{eV})}{T_{1/2}}$
$\frac{1011.39}{-}$	Rh ¹²⁴ ₄₅	$\frac{123.95088}{-}$	45n	2+0	8+0	0+9	0+14	0+6	0+4	1+1	$\frac{-}{\beta^- > 391\text{ns}}$
$\frac{1033.09}{-}$	Pd ¹²⁶ ₄₆	$\frac{125.94408}{-}$	46n	2+0	8+0	0+9	0+15	1+5	1+4	0+1	$\frac{-}{\beta^- > 230\text{ns}}$
$\frac{1051.28}{1051.2}$	Ag ¹²⁸ ₄₇	$\frac{127.94104}{127.94117}$	47n	2+0	8+0	2+8	0+16	0+4	1+5	0+1	$\frac{-11.45\text{M}}{\beta^- 58\text{ms}}$
$\frac{1073.48}{1073.3}$	Cd ¹³⁰ ₄₈	$\frac{129.93370}{129.93390}$	48n	2+0	8+0	2+8	0+16	1+6	0+4	1+0	$\frac{-11.88\text{M}}{\beta^- 162\text{ms}}$
$\frac{1089.28}{1089.5}$	In ¹³² ₄₉	$\frac{131.93322}{131.93299}$	49n	2+0	8+0	4+7	0+16	0+7	0+4	1+0	$\frac{-9.900\text{M}}{\beta^- 207\text{ms}}$
$\frac{1109.24}{1109.2}$	Sn ¹³⁴ ₅₀	$\frac{133.92828}{133.92829}$	50n	2+0	8+0	4+7	0+16	0+9	1+2	1+0	$\frac{-7.210\text{M}}{\beta^- 1.05\text{s}}$
$\frac{1122.61}{1122.7}$	Sb ¹³⁶ ₅₁	$\frac{135.93042}{135.93035}$	51n	2+0	8+0	6+6	0+16	0+9	1+2	0+1	$\frac{-4.500\text{M}}{\beta^- 0.923\text{s}}$
$\frac{1139.03}{1139.1}$	Te ¹³⁸ ₅₂	$\frac{137.92929}{137.92922}$	52n	2+0	8+0	6+6	0+16	1+9	0+3	1+0	$\frac{-1.860\text{M}}{\beta^- 1.40\text{s}}$
$\frac{1153.05}{1152.8}$	I ¹⁴⁰ ₅₃	$\frac{139.93072}{139.93100}$	53n	2+0	8+0	6+6	0+16	1+9	1+3	1+0	$\frac{-1.500\text{M}}{\beta^- 0.86\text{s}}$
$\frac{1169.33}{1169.4}$	Xe ¹⁴² ₅₄	$\frac{141.92977}{141.92971}$	54n	2+0	8+0	10+4	0+16	0+10	0+4	0+0	$\frac{-1.900\text{M}}{\beta^- 1.23\text{s}}$
$\frac{1183.14}{1182.5}$	Cs ¹⁴⁴ ₅₅	$\frac{143.93140}{143.932077}$	55n	2+0	8+0	10+4	0+16	0+10	1+4	0+0	$\frac{-2.100\text{M}}{\beta^- 0.994\text{s}}$
$\frac{1199.85}{1199.6}$	Ba ¹⁴⁶ ₅₆	$\frac{145.92995}{145.93022}$	56n	2+0	8+0	12+3	0+16	0+11	0+4	0+0	$\frac{-2.136\text{M}}{\beta^- 2.22\text{s}}$
$\frac{1213.46}{1213.1}$	La ¹⁴⁸ ₅₇	$\frac{147.93183}{147.93223}$	57n	2+0	8+0	12+3	0+16	0+11	1+4	0+0	$\frac{-1.860\text{M}}{\beta^- 1.26\text{s}}$
$\frac{1230.02}{1230.1}$	Ce ¹⁵⁰ ₅₈	$\frac{149.93049}{149.93041}$	58n	2+0	8+0	14+2	0+16	0+12	0+4	0+0	$\frac{-2.334\text{M}}{\beta^- 4.0\text{s}}$
$\frac{1244.98}{1244.5}$	Pr ¹⁵² ₅₉	$\frac{151.93097}{151.93150}$	59n	2+0	8+0	14+2	0+16	1+12	0+4	0+0	$\frac{-3.470\text{M}}{\beta^- 3.57\text{s}}$
$\frac{1261.41}{1261.7}$	Nd ¹⁵⁴ ₆₀	$\frac{153.92982}{153.92948}$	60n	2+0	8+0	14+2	0+16	1+13	1+3	0+0	$\frac{-3.260\text{M}}{\beta^- 25.9\text{s}}$
$\frac{1276.22}{1275.6}$	Pm ¹⁵⁶ ₆₁	$\frac{155.93042}{155.93106}$	61n	2+0	8+0	16+1	0+16	0+14	1+3	0+0	$\frac{-2.880\text{M}}{\beta^- 26.70\text{s}}$

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$\frac{1291.70}{1292.0}$	Sm ¹⁵⁸ ₆₂	$\frac{157.93029}{157.92999}$	62n	2+0	8+0	16+1	1+14	0+19	1+0	0+0	$\frac{-1.950M}{\beta^- 5.30m}$
$\frac{1305.56}{1305.5}$	Eu ¹⁶⁰ ₆₃	$\frac{159.93190}{159.93197}$	63n	2+0	8+0	18+0	0+16	0+15	1+3	0+0	$\frac{-1.460M}{\beta^- 38.0s}$
$\frac{1322.22}{1322.6}$	Gd ¹⁶² ₆₄	$\frac{161.93050}{161.930098}$	64n	2+0	8+0	18+0	2+14	0+19	0+1	0+0	$\frac{-1.500M}{\beta^- 8.40m}$
$\frac{1334.54}{1334.9}$	Tb ¹⁶⁴ ₆₅	$\frac{163.93377}{163.93335}$	65n	2+0	8+0	18+0	2+15	0+16	1+3	0+0	$\frac{-1.260M}{\beta^- 3.0m}$
$\frac{1350.54}{1350.8}$	Dy ¹⁶⁶ ₆₆	$\frac{165.93308}{165.932807}$	66n	2+0	8+0	18+0	4+14	0+17	0+3	0+0	$\frac{-728K}{\beta^- 81.6h}$
$\frac{1363.17}{1363.6}$	Ho ¹⁶⁸ ₆₇	$\frac{167.93601}{167.93552}$	67n	2+0	8+0	18+0	4+14	0+17	1+3	0+0	$\frac{-410K}{\beta^- 2.99m}$
$\frac{1379.00}{1379.0}$	Er ¹⁷⁰ ₆₈	$\frac{169.935464}{169.935464}$	68n	2+0	8+0	18+0	6+13	0+18	0+3	0+0	$\frac{50.2K}{st}$
$\frac{1391.44}{1391.7}$	Tm ¹⁷² ₆₉	$\frac{171.93864}{171.93840}$	69n	2+0	8+0	18+0	6+13	0+18	1+3	0+0	$\frac{260K}{\beta^- 63.6h}$
$\frac{1407.12}{1406.6}$	Yb ¹⁷⁴ ₇₀	$\frac{173.93830}{173.938862}$	70n	2+0	8+0	18+0	8+12	0+19	0+3	0+0	$\frac{738.7K}{st}$
$\frac{1417.66}{1418.4}$	Lu ¹⁷⁶ ₇₁	$\frac{175.94347}{175.942686}$	71n	2+0	8+0	18+0	8+12	1+18	0+4	0+0	$\frac{1.566M}{\beta^- 3.8 \cdot 10^{10}a}$
$\frac{1433.17}{1432.8}$	Hf ¹⁷⁸ ₇₂	$\frac{177.94331}{177.943699}$	72n	2+0	8+0	18+0	8+12	1+19	1+3	0+0	$\frac{2.0798M}{st}$
$\frac{1445.19}{1444.7}$	Ta ¹⁸⁰ ₇₃	$\frac{179.94690}{179.947465}$	73n	2+0	8+0	18+0	10+11	1+19	0+4	0+0	$\frac{2.021M}{ce 8.154h}$
$\frac{1458.82}{1459.3}$	W ¹⁸² ₇₄	$\frac{181.94876}{181.948204}$	74n	2+0	8+0	18+0	12+10	0+20	0+4	0+0	$\frac{1.7672M}{st}$
$\frac{1470.61}{1470.7}$	Re ¹⁸⁴ ₇₅	$\frac{183.952611}{183.952521}$	75n	2+0	8+0	18+0	12+10	0+20	1+4	0+0	$\frac{2.287M}{ce 35.4d}$
$\frac{1484.04}{1484.8}$	Os ¹⁸⁶ ₇₆	$\frac{185.95466}{185.953838}$	76n	2+0	8+0	18+0	12+10	1+20	1+4	0+0	$\frac{2.8204M}{\alpha 2.0 \cdot 10^{15}a}$
$\frac{1495.63}{1495.5}$	Ir ¹⁸⁸ ₇₇	$\frac{187.95871}{187.958853}$	77n	2+0	8+0	18+0	14+9	1+20	0+5	0+0	$\frac{3.448M}{ce 41.5h}$
$\frac{1510.61}{1509.9}$	Pt ¹⁹⁰ ₇₈	$\frac{189.95912}{189.959932}$	78n	2+0	8+0	18+0	14+9	1+21	1+4	0+0	$\frac{3.252M}{\alpha 6.5 \cdot 10^{11}a}$

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$\frac{1520.22}{1520.7}$	Au ¹⁹² ₇₉	$\frac{191.96529}{191.964813}$	79n	2+0	8+0	18+0	16+8	0+21	1+5	0+0	$\frac{3.151M}{ce\ 4.94h}$
$\frac{1535.03}{1535.4}$	Hg ¹⁹⁴ ₈₀	$\frac{193.96588}{193.965439}$	80n	2+0	8+0	18+0	18+7	0+22	0+5	0+0	$\frac{2.707M}{ce\ 444a}$
$\frac{1546.18}{1546.1}$	Tl ¹⁹⁶ ₈₁	$\frac{195.97040}{195.970481}$	81n	2+0	8+0	18+0	18+7	0+22	1+5	0+0	$\frac{2.854M}{ce\ 1.84h}$
$\frac{1559.73}{1560.0}$	Pb ¹⁹⁸ ₈₂	$\frac{197.97234}{197.972034}$	82n	2+0	8+0	18+0	18+7	0+23	1+4	1+0	$\frac{3.717M}{ce\ 2.40h}$
$\frac{1569.59}{1569.7}$	Bi ²⁰⁰ ₈₃	$\frac{199.97825}{199.978132}$	83n	2+0	8+0	18+0	20+6	0+23	1+4	0+1	$\frac{4.700M}{ce\ 36.4m}$
$\frac{1582.27}{1582.6}$	Po ²⁰² ₈₄	$\frac{201.98113}{201.980758}$	84n	2+0	8+0	18+0	20+6	1+23	1+4	0+1	$\frac{5.7010M}{ce\ 44.6m}$
$\frac{1592.40}{1591.9}$	At ²⁰⁴ ₈₅	$\frac{203.98674}{203.987251}$	85n	2+0	8+0	18+0	22+5	0+23	0+6	1+0	$\frac{6.0698M}{ce\ 9.12m}$
$\frac{1605.02}{1604.5}$	Rn ²⁰⁶ ₈₆	$\frac{205.98968}{205.990214}$	86n	2+0	8+0	18+0	22+5	1+23	0+6	1+0	$\frac{6.3838M}{\alpha\ 5.67m}$
$\frac{1613.93}{1613.4}$	Fr ²⁰⁸ ₈₇	$\frac{207.99661}{207.99714}$	87n	2+0	8+0	18+0	24+4	0+23	0+7	1+0	$\frac{6.780M}{\alpha\ 59.1s}$
$\frac{1625.35}{1625.7}$	Ra ²¹⁰ ₈₈	$\frac{210.000838}{210.000495}$	88n	2+0	8+0	18+0	24+4	1+23	1+6	0+1	$\frac{7.151M}{\alpha\ 3.70s}$
$\frac{1635.24}{1634.2}$	Ac ²¹² ₈₉	$\frac{212.00671}{212.00781}$	89n	2+0	8+0	18+0	26+3	0+23	0+8	1+0	$\frac{7.520M}{\alpha\ 0.93s}$
$\frac{1645.80}{1646.1}$	Th ²¹⁴ ₉₀	$\frac{214.01186}{214.011500}$	90n	2+0	8+0	18+0	26+3	0+23	1+8	1+0	$\frac{7.827M}{\alpha\ 87.0ms}$
$\frac{1654.44}{1654.4}$	Pa ²¹⁶ ₉₁	$\frac{216.01908}{216.01911}$	91n	2+0	8+0	18+0	26+3	1+22	1+9	1+0	$\frac{8.097M}{\alpha\ 150ms}$
$\frac{1664.88}{1665.6}$	U ²¹⁸ ₉₂	$\frac{218.02436}{218.02354}$	92n	2+0	8+0	18+0	28+2	1+22	0+10	1+0	$\frac{8.775M}{\alpha\ 0.51ms}$
$\frac{1672.25}{-}$	Np ²²⁰ ₉₃	$\frac{220.03294}{-}$	93n	2+0	8+0	18+0	30+1	0+22	1+10	0+1	$\frac{10.46M}{-}$
$\frac{1683.69}{-}$	Pu ²²² ₉₄	$\frac{222.03715}{-}$	94n	2+0	8+0	18+0	30+1	0+22	1+11	1+0	$\frac{10.25M}{-}$
$\frac{1697.73}{-}$	Am ²²⁴ ₉₅	$\frac{224.03857}{-}$	95n	2+0	8+0	18+0	32+0	0+23	0+11	1+0	$\frac{2.820M}{-}$