

TAVOLA PERIODICA DEI NUCLEI ATOMICI
configurazione dei livelli nucleari degli isodiaferi I = +37

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_\alpha(\text{eV})}{T_{1/2}}$
$\frac{1062.45}{-}$	Ag ¹³¹ ₄₇	$\frac{130.95504}{-}$	47n	2+0	6+1	0+9	1+14	1+6	0+6	0+1	$\frac{-}{\beta^-}$
$\frac{1083.11}{-}$	Cd ¹³³ ₄₈	$\frac{132.94935}{-}$	48n	2+0	8+0	0+9	0+15	0+7	0+6	1+0	$\frac{-}{\beta^- 57.0\text{ms}}$
$\frac{1098.46}{1098.5}$	In ¹³⁵ ₄₉	$\frac{134.94933}{134.94933}$	49n	2+0	8+0	0+9	0+16	1+4	0+8	1+0	$\frac{-7.720\text{M}}{\beta^- 92.0\text{ms}}$
$\frac{1116.67}{1117.0}$	Sn ¹³⁷ ₅₀	$\frac{136.94630}{136.94599}$	50n	2+0	8+0	2+8	0+15	0+9	1+4	0+1	$\frac{-5.531\text{M}}{\beta^- 190\text{ms}}$
$\frac{1131.88}{1132.3}$	Sb ¹³⁹ ₅₁	$\frac{138.94647}{138.94598}$	51n	2+0	8+0	2+8	0+16	1+6	1+6	0+1	$\frac{-5.500\text{M}}{\beta^- 93.0\text{ms}}$
$\frac{1148.91}{1148.9}$	Te ¹⁴¹ ₅₂	$\frac{140.94465}{140.94465}$	52n	2+0	8+0	4+7	0+16	1+7	0+6	0+1	$\frac{-3.100\text{M}}{\beta^- 100\text{ms}}$
$\frac{1164.43}{1164.4}$	I ¹⁴³ ₅₃	$\frac{142.94450}{142.94456}$	53n	2+0	8+0	6+6	0+16	0+8	0+6	0+1	$\frac{-3.200\text{M}}{\beta^- 130\text{ms}}$
$\frac{1180.16}{1180.2}$	Xe ¹⁴⁵ ₅₄	$\frac{144.94411}{144.94407}$	54n	2+0	8+0	6+6	0+16	0+8	1+7	0+0	$\frac{-3.00\text{M}}{\beta^- 188\text{ms}}$
$\frac{1195.48}{1195.5}$	Cs ¹⁴⁷ ₅₅	$\frac{146.94416}{146.94416}$	55n	2+0	8+0	6+6	0+16	1+8	1+7	0+0	$\frac{-3.400\text{M}}{\beta^- 230\text{ms}}$
$\frac{1211.95}{1212.3}$	Ba ¹⁴⁹ ₅₆	$\frac{148.94296}{148.94258}$	56n	2+0	8+0	8+5	0+16	0+10	1+5	0+1	$\frac{-4.100\text{M}}{\beta^- 344\text{ms}}$
$\frac{1228.66}{1228.5}$	La ¹⁵¹ ₅₇	$\frac{150.94151}{150.94172}$	57n	2+0	8+0	10+4	0+16	0+11	0+5	0+1	$\frac{-4.290\text{M}}{\beta^- 300\text{ms}}$
$\frac{1244.68}{1244.9}$	Ce ¹⁵³ ₅₈	$\frac{152.94080}{152.94058}$	58n	2+0	8+0	8+5	0+16	1+11	1+5	1+0	$\frac{-4.500\text{M}}{\beta^- 500\text{ms}}$
$\frac{1260.33}{1260.7}$	Pr ¹⁵⁵ ₅₉	$\frac{154.94049}{154.94012}$	59n	2+0	8+0	10+4	0+16	1+12	1+4	0+1	$\frac{-4.300\text{M}}{\beta^- 1\text{s}}$
$\frac{1276.84}{1277.0}$	Nd ¹⁵⁷ ₆₀	$\frac{156.93925}{156.93903}$	60n	2+0	8+0	12+3	0+16	1+13	0+4	0+1	$\frac{-4.00\text{M}}{\beta^- 2\text{s}}$
$\frac{1292.65}{1292.5}$	Pm ¹⁵⁹ ₆₁	$\frac{158.93877}{158.93897}$	61n	2+0	8+0	12+3	0+16	0+14	1+4	1+0	$\frac{-3.500\text{M}}{\beta^- 1.50\text{s}}$
$\frac{1308.08}{1308.0}$	Sm ¹⁶¹ ₆₂	$\frac{160.93870}{160.93883}$	62n	2+0	8+0	14+2	0+16	0+15	1+3	0+1	$\frac{-2.380\text{M}}{\beta^- 4.80\text{s}}$
$\frac{1322.78}{1323.0}$	Eu ¹⁶³ ₆₃	$\frac{162.93941}{162.93921}$	63n	2+0	8+0	14+2	0+16	1+15	1+3	0+1	$\frac{-2.410\text{M}}{\beta^- 7.70\text{s}}$

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$\frac{1338.38}{1338.2}$	Gd ₆₄ ¹⁶⁵	$\frac{164.93915}{164.93938}$	64n	2+0	8+0	16+1	0+16	0+16	0+4	1+0	$\frac{-2.300M}{\beta^- 10.3s}$
$\frac{1352.27}{1352.9}$	Tb ₆₅ ¹⁶⁷	$\frac{166.94073}{166.94005}$	65n	2+0	8+0	18+0	0+16	0+16	0+5	0+0	$\frac{-1.600M}{\beta^- 19.4s}$
$\frac{1368.34}{1368.0}$	Dy ₆₆ ¹⁶⁹	$\frac{168.93997}{168.94031}$	66n	2+0	8+0	18+0	0+16	0+17	1+4	0+0	$\frac{-1.400M}{\beta^- 39.0s}$
$\frac{1382.70}{1382.3}$	Ho ₆₇ ¹⁷¹	$\frac{170.94104}{170.94147}$	67n	2+0	8+0	18+0	0+16	1+17	1+4	0+0	$\frac{-1.00M}{\beta^- 53.0s}$
$\frac{1396.97}{1396.8}$	Er ₆₈ ¹⁷³	$\frac{172.94221}{172.94240}$	68n	2+0	8+0	18+0	2+15	0+18	1+4	0+0	$\frac{-500K}{\beta^- 1.40m}$
$\frac{1411.15}{1410.8}$	Tm ₆₉ ¹⁷⁵	$\frac{174.94348}{174.94384}$	69n	2+0	8+0	18+0	2+15	1+18	1+4	0+0	$\frac{-194M}{\beta^- 15.2m}$
$\frac{1425.23}{1424.8}$	Yb ₇₀ ¹⁷⁷	$\frac{176.94485}{176.945261}$	70n	2+0	8+0	18+0	4+14	0+19	1+4	0+0	$\frac{250K}{\beta^- 1.911h}$
$\frac{1439.22}{1438.3}$	Lu ₇₁ ¹⁷⁹	$\frac{178.94632}{178.947327}$	71n	2+0	8+0	18+0	4+14	1+19	1+4	0+0	$\frac{830K}{\beta^- 4.59h}$
$\frac{1451.43}{1452.0}$	Hf ₇₂ ¹⁸¹	$\frac{180.94970}{180.949101}$	72n	2+0	8+0	18+0	6+13	1+19	0+5	0+0	$\frac{1.1514M}{\beta^- 42.39d}$
$\frac{1465.22}{1465.2}$	Ta ₇₃ ¹⁸³	$\frac{182.95139}{182.951373}$	73n	2+0	8+0	18+0	8+12	0+20	0+5	0+0	$\frac{1.338M}{\beta^- 5.10d}$
$\frac{1478.93}{1478.7}$	W ₇₄ ¹⁸⁵	$\frac{184.95316}{184.953419}$	74n	2+0	8+0	18+0	8+12	1+20	0+5	0+0	$\frac{1.5924M}{\beta^- 75.1d}$
$\frac{1492.54}{1491.9}$	Re ₇₅ ¹⁸⁷	$\frac{186.95504}{186.955753}$	75n	2+0	8+0	18+0	10+11	0+21	0+5	0+0	$\frac{1.653M}{\beta^- 4.3 \cdot 10^{10}a}$
$\frac{1504.31}{1505.0}$	Os ₇₆ ¹⁸⁹	$\frac{188.95889}{188.958147}$	76n	2+0	8+0	18+0	10+11	0+21	1+5	0+0	$\frac{1.9766M}{st}$
$\frac{1517.71}{1518.1}$	Ir ₇₇ ¹⁹¹	$\frac{190.96100}{190.960594}$	77n	2+0	8+0	18+0	10+11	1+21	1+5	0+0	$\frac{2.0828M}{st}$
$\frac{1531.02}{1531.2}$	Pt ₇₈ ¹⁹³	$\frac{192.96320}{192.962987}$	78n	2+0	8+0	18+0	12+10	0+22	1+5	0+0	$\frac{2.0819M}{ce 50.0a}$
$\frac{1544.24}{1544.7}$	Au ₇₉ ¹⁹⁵	$\frac{194.96550}{194.965035}$	79n	2+0	8+0	18+0	12+10	1+22	1+5	0+0	$\frac{1.7164M}{ce 186.098d}$
$\frac{1559.13}{1558.0}$	Hg ₈₀ ¹⁹⁷	$\frac{196.96600}{196.967213}$	80n	2+0	8+0	18+0	14+9	1+23	0+5	0+0	$\frac{1.516M}{ce 64.14h}$

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$\frac{1570.37}{1570.9}$	Tl ₈₁ ¹⁹⁹	$\frac{198.97043}{198.96988}$	81n	2+0	8+0	18+0	14+9	1+23	1+5	0+0	$\frac{2.090M}{ce\ 7.42h}$
$\frac{1583.29}{1583.4}$	Pb ₈₂ ²⁰¹	$\frac{200.97304}{200.972885}$	82n	2+0	8+0	18+0	16+8	0+24	1+5	0+0	$\frac{2.858M}{ce\ 9.33h}$
$\frac{1594.31}{1595.1}$	Bi ₈₃ ²⁰³	$\frac{202.97771}{202.976876}$	83n	2+0	8+0	18+0	18+7	0+24	0+6	0+0	$\frac{4.110M}{ce\ 11.76h}$
$\frac{1607.08}{1606.4}$	Po ₈₄ ²⁰⁵	$\frac{204.98049}{204.981203}$	84n	2+0	8+0	18+0	18+7	1+24	0+6	0+0	$\frac{5.324M}{ce\ 1.74h}$
$\frac{1617.63}{1617.5}$	At ₈₅ ²⁰⁷	$\frac{206.98565}{206.985784}$	85n	2+0	8+0	18+0	20+6	0+25	0+5	0+1	$\frac{3.919M}{ce\ 1.81h}$
$\frac{1628.88}{1628.6}$	Rn ₈₆ ²⁰⁹	$\frac{208.99006}{208.990415}$	86n	2+0	8+0	18+0	20+6	1+24	0+7	0+0	$\frac{6.1555M}{ce\ 28.5m}$
$\frac{1638.59}{1639.1}$	Fr ₈₇ ²¹¹	$\frac{210.99613}{210.995537}$	87n	2+0	8+0	18+0	20+6	1+24	0+7	1+0	$\frac{6.662M}{\alpha\ 3.10m}$
$\frac{1650.09}{1650.0}$	Ra ₈₈ ²¹³	$\frac{213.00027}{213.000384}$	88n	2+0	8+0	18+0	22+5	0+25	1+6	0+1	$\frac{6.8618M}{\alpha\ 2.73m}$
$\frac{1660.05}{1659.7}$	Ac ₈₉ ²¹⁵	$\frac{215.00607}{215.006454}$	89n	2+0	8+0	18+0	22+5	1+24	0+8	1+0	$\frac{7.746M}{\alpha\ 170ms}$
$\frac{1668.84}{1668.8}$	Th ₉₀ ²¹⁷	$\frac{217.01312}{217.013114}$	90n	2+0	8+0	18+0	24+4	0+24	0+9	1+0	$\frac{9.435M}{\alpha\ 0.241ms}$
$\frac{1678.29}{1677.9}$	Pa ₉₁ ²¹⁹	$\frac{219.01947}{219.01988}$	91n	2+0	8+0	18+0	26+3	0+24	0+9	0+1	$\frac{10.08M}{\alpha\ 53ns}$
$\frac{1686.92}{1687.2}$	U ₉₂ ²²¹	$\frac{221.02669}{221.02640}$	92n	2+0	8+0	18+0	26+3	1+23	0+10	0+1	$\frac{9.950M}{\alpha\ 700ns}$
$\frac{1696.61}{-}$	Np ₉₃ ²²³	$\frac{223.03278}{-}$	93n	2+0	8+0	18+0	26+3	0+23	1+11	1+0	$\frac{9.973M}{-}$
$\frac{1706.98}{-}$	Pu ₉₄ ²²⁵	$\frac{225.03814}{-}$	94n	2+0	8+0	18+0	28+2	0+23	0+12	1+0	$\frac{8.511M}{-}$
$\frac{1719.18}{-}$	Am ₉₅ ²²⁷	$\frac{227.04153}{-}$	95n	2+0	8+0	18+0	28+2	1+23	0+12	1+0	$\frac{5.726M}{-}$
$\frac{1727.54}{-}$	Cm ₉₆ ²²⁹	$\frac{229.04905}{-}$	96n	2+0	8+0	18+0	30+1	0+23	0+13	1+0	$\frac{7.740M}{-}$