

TAVOLA PERIODICA DEI NUCLEI ATOMICI
configurazione dei livelli nucleari degli isodiaferi I = +33

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_\alpha(\text{eV})}{T_{1/2}}$
$\frac{988.554}{-}$	Ru ₄₄ ¹²¹	$\frac{120.95024}{-}$	44n	2+0	8+0	0+9	1+13	0+6	0+4	0+1	$\frac{-}{\beta^- > 390\text{ns}}$
$\frac{1006.12}{-}$	Rh ₄₅ ¹²³	$\frac{122.94788}{-}$	45n	2+0	8+0	0+9	0+14	0+6	1+3	1+1	$\frac{-}{\beta^- > 403\text{ns}}$
$\frac{1027.79}{-}$	Pd ₄₆ ¹²⁵	$\frac{124.94110}{-}$	46n	2+0	8+0	2+8	0+15	1+5	0+4	0+1	$\frac{-10.92\text{M}}{\beta^- > 230\text{ns}}$
$\frac{1047.30}{1047.2}$	Ag ₄₇ ¹²⁷	$\frac{126.93665}{126.93677}$	47n	2+0	8+0	4+7	0+16	1+4	1+4	0+1	$\frac{-12.86\text{M}}{\beta^- 109\text{ms}}$
$\frac{1067.25}{1066.8}$	Cd ₄₈ ¹²⁹	$\frac{128.93172}{128.93215}$	48n	2+0	8+0	4+7	0+16	1+6	0+3	0+1	$\frac{-11.14\text{M}}{\beta^- 270\text{ms}}$
$\frac{1086.67}{1087.1}$	In ₄₉ ¹³¹	$\frac{130.92736}{130.92685}$	49n	2+0	8+0	4+7	0+16	0+8	1+2	1+0	$\frac{-11.70\text{M}}{\beta^- 280\text{ms}}$
$\frac{1105.21}{1105.3}$	Sn ₅₀ ¹³³	$\frac{132.92395}{132.92383}$	50n	2+0	8+0	4+7	0+16	1+9	1+1	1+0	$\frac{-9.960\text{M}}{\beta^- 1.46\text{s}}$
$\frac{1119.43}{1119.4}$	Sb ₅₁ ¹³⁵	$\frac{134.92517}{134.92517}$	51n	2+0	8+0	6+6	0+16	1+9	0+2	1+0	$\frac{-4.160\text{M}}{\beta^- 1.679\text{s}}$
$\frac{1134.98}{1134.7}$	Te ₅₂ ¹³⁷	$\frac{136.92497}{136.92532}$	52n	2+0	8+0	8+5	0+16	0+10	0+2	1+0	$\frac{-8.700\text{M}}{\beta^- 2.49\text{s}}$
$\frac{1149.55}{1149.3}$	I ₅₃ ¹³⁹	$\frac{138.92582}{138.92610}$	53n	2+0	8+0	8+5	0+16	1+10	1+1	0+1	$\frac{-1.160\text{M}}{\beta^- 2.280\text{s}}$
$\frac{1163.75}{1164.1}$	Xe ₅₄ ¹⁴¹	$\frac{140.92706}{140.92665}$	54n	2+0	8+0	10+4	0+16	0+10	1+3	0+0	$\frac{-1.330\text{M}}{\beta^- 1.73\text{s}}$
$\frac{1179.01}{1178.8}$	Cs ₅₅ ¹⁴³	$\frac{142.92717}{142.927352}$	55n	2+0	8+0	10+4	0+16	1+10	1+3	0+0	$\frac{-1.570\text{M}}{\beta^- 1.791\text{s}}$
$\frac{1194.20}{1193.9}$	Ba ₅₆ ¹⁴⁵	$\frac{144.92735}{144.92763}$	56n	2+0	8+0	12+3	0+16	0+11	1+3	0+0	$\frac{-1.744\text{M}}{\beta^- 4.31\text{s}}$
$\frac{1209.30}{1208.7}$	La ₅₇ ¹⁴⁷	$\frac{146.92763}{146.92824}$	57n	2+0	8+0	12+3	0+16	1+11	1+3	0+0	$\frac{-1.428\text{M}}{\beta^- 4.06\text{s}}$
$\frac{1224.31}{1223.9}$	Ce ₅₈ ¹⁴⁹	$\frac{148.92801}{148.9284}$	58n	2+0	8+0	14+2	0+16	0+12	1+3	0+0	$\frac{-1.579\text{M}}{\beta^- 5.30\text{s}}$
$\frac{1239.24}{1239.4}$	Pr ₅₉ ¹⁵¹	$\frac{150.92847}{150.928319}$	59n	2+0	8+0	14+2	0+16	1+12	1+3	0+0	$\frac{-2.527\text{M}}{\beta^- 18.90\text{s}}$
$\frac{1255.65}{1255.3}$	Nd ₆₀ ¹⁵³	$\frac{152.92734}{152.927698}$	60n	2+0	8+0	16+1	0+16	1+13	0+3	0+0	$\frac{-3.100\text{M}}{\beta^- 31.6\text{s}}$

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$\frac{1270.43}{1270.3}$	Pm ₆₁ ¹⁵⁵	$\frac{154.92797}{154.92810}$	61n	2+0	8+0	18+0	0+16	0+14	0+3	0+0	$\frac{-2.610\text{M}}{\beta^- 41.5\text{s}}$
$\frac{1285.61}{1285.4}$	Sm ₆₂ ¹⁵⁷	$\frac{156.92816}{156.92836}$	62n	2+0	8+0	18+0	0+15	1+17	0+1	0+0	$\frac{-1.810\text{M}}{\beta^- 8.03\text{m}}$
$\frac{1299.70}{1300.1}$	Eu ₆₃ ¹⁵⁹	$\frac{158.92952}{158.92989}$	63n	2+0	8+0	18+0	2+15	0+15	0+3	0+0	$\frac{-1.500\text{M}}{\beta^- 18.1\text{m}}$
$\frac{1314.72}{1314.9}$	Gd ₆₄ ¹⁶¹	$\frac{160.92989}{160.929669}$	64n	2+0	8+0	18+0	2+14	1+18	0+1	0+0	$\frac{-1.200\text{M}}{\beta^- 3.66\text{m}}$
$\frac{1328.63}{1329.4}$	Tb ₆₅ ¹⁶³	$\frac{162.93145}{162.930648}$	65n	2+0	8+0	18+0	4+14	0+16	0+3	0+0	$\frac{-974\text{K}}{\beta^- 19.5\text{m}}$
$\frac{1344.60}{1343.8}$	Dy ₆₆ ¹⁶⁵	$\frac{164.93079}{164.931703}$	66n	2+0	8+0	18+0	4+14	0+17	1+2	0+0	$\frac{-530.8\text{K}}{\beta^- 2.334\text{h}}$
$\frac{1357.21}{1357.8}$	Ho ₆₇ ¹⁶⁷	$\frac{166.93374}{166.933133}$	67n	2+0	8+0	18+0	6+13	0+17	0+3	0+0	$\frac{-110\text{K}}{\beta^- 3.003\text{h}}$
$\frac{1371.36}{1371.8}$	Er ₆₈ ¹⁶⁹	$\frac{168.93504}{168.934590}$	68n	2+0	8+0	18+0	6+13	1+17	0+3	0+0	$\frac{264.4\text{K}}{\beta^- 9.392\text{d}}$
$\frac{1385.43}{1385.4}$	Tm ₆₉ ¹⁷¹	$\frac{170.936429}{170.936429}$	69n	2+0	8+0	18+0	8+12	0+18	0+3	0+0	$\frac{645\text{K}}{\beta^- 1.92\text{a}}$
$\frac{1399.41}{1399.1}$	Yb ₇₀ ¹⁷³	$\frac{172.93791}{172.938211}$	70n	2+0	8+0	18+0	8+12	1+18	0+3	0+0	$\frac{945.7\text{K}}{st}$
$\frac{1411.60}{1412.1}$	Lu ₇₁ ¹⁷⁵	$\frac{174.94131}{174.940772}$	71n	2+0	8+0	18+0	8+12	1+18	1+3	0+0	$\frac{1.6193\text{M}}{st}$
$\frac{1425.39}{1425.2}$	Hf ₇₂ ¹⁷⁷	$\frac{176.94300}{176.943221}$	72n	2+0	8+0	18+0	10+11	0+19	1+3	0+0	$\frac{2.2411\text{M}}{st}$
$\frac{1437.37}{1438.0}$	Ta ₇₃ ¹⁷⁹	$\frac{178.94663}{178.945929}$	73n	2+0	8+0	18+0	12+10	0+19	0+4	0+0	$\frac{2.3795\text{M}}{ce 1.82\text{a}}$
$\frac{1450.96}{1451.3}$	W ₇₄ ¹⁸¹	$\frac{180.94853}{180.948197}$	74n	2+0	8+0	18+0	12+10	1+19	0+4	0+0	$\frac{2.207\text{M}}{ce 121.2\text{d}}$
$\frac{1464.46}{1464.2}$	Re ₇₅ ¹⁸³	$\frac{182.95053}{182.950820}$	75n	2+0	8+0	18+0	14+9	0+20	0+4	0+0	$\frac{2.126\text{M}}{ce 70.0\text{d}}$
$\frac{1476.13}{1476.5}$	Os ₇₆ ¹⁸⁵	$\frac{184.95449}{184.954042}$	76n	2+0	8+0	18+0	14+9	0+20	1+4	0+0	$\frac{3.019\text{M}}{ce 93.6\text{d}}$
$\frac{1489.43}{1488.8}$	Ir ₇₇ ¹⁸⁷	$\frac{186.95670}{186.957363}$	77n	2+0	8+0	18+0	14+9	1+20	1+4	0+0	$\frac{3.854\text{M}}{ce 10.5\text{h}}$

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$\frac{1500.88}{1500.9}$	Pt ₇₈ ¹⁸⁹	$\frac{188.96090}{188.960834}$	78n	2+0	8+0	18+0	16+8	1+20	0+5	0+0	$\frac{3.900M}{ce\ 10.87h}$
$\frac{1513.99}{1513.6}$	Au ₇₉ ¹⁹¹	$\frac{190.96331}{190.96370}$	79n	2+0	8+0	18+0	18+7	0+21	0+5	0+0	$\frac{3.300M}{ce\ 3.18h}$
$\frac{1527.00}{1526.2}$	Hg ₈₀ ¹⁹³	$\frac{192.96584}{192.966665}$	80n	2+0	8+0	18+0	18+7	1+21	0+5	0+0	$\frac{2.997M}{ce\ 3.80h}$
$\frac{1538.83}{1538.7}$	Tl ₈₁ ¹⁹⁵	$\frac{194.96962}{194.969774}$	81n	2+0	8+0	18+0	18+7	0+22	1+4	1+0	$\frac{3.230M}{ce\ 1.16h}$
$\frac{1550.57}{1550.6}$	Pb ₈₂ ¹⁹⁷	$\frac{196.97347}{196.973431}$	82n	2+0	8+0	18+0	20+6	1+22	0+4	0+1	$\frac{3.890M}{ce\ 8.10m}$
$\frac{1562.56}{1562.1}$	Bi ₈₃ ¹⁹⁹	$\frac{198.97713}{198.977672}$	83n	2+0	8+0	18+0	20+6	1+22	0+5	1+0	$\frac{4.932M}{ce\ 27.0m}$
$\frac{1573.41}{1573.1}$	Po ₈₄ ²⁰¹	$\frac{200.98197}{200.982260}$	84n	2+0	8+0	18+0	20+6	1+22	1+5	1+0	$\frac{5.7989M}{ce\ 15.6m}$
$\frac{1584.23}{1584.1}$	At ₈₅ ²⁰³	$\frac{202.98685}{202.986942}$	85n	2+0	8+0	18+0	22+5	1+22	0+6	1+0	$\frac{6.2100M}{ce\ 7.40m}$
$\frac{1594.99}{1595.1}$	Rn ₈₆ ²⁰⁵	$\frac{204.99179}{204.99172}$	86n	2+0	8+0	18+0	22+5	1+22	1+6	1+0	$\frac{6.390M}{ce\ 170s}$
$\frac{1605.71}{1605.5}$	Fr ₈₇ ²⁰⁷	$\frac{206.99677}{206.99695}$	87n	2+0	8+0	18+0	24+4	1+22	0+7	1+0	$\frac{6.900M}{\alpha\ 14.8s}$
$\frac{1616.36}{1616.2}$	Ra ₈₈ ²⁰⁹	$\frac{209.00182}{209.00199}$	88n	2+0	8+0	18+0	24+4	1+22	1+7	1+0	$\frac{7.144M}{\alpha\ 4.60s}$
$\frac{1626.97}{1626.2}$	Ac ₈₉ ²¹¹	$\frac{211.00692}{211.00773}$	89n	2+0	8+0	18+0	26+3	1+22	0+8	1+0	$\frac{7.620M}{\alpha\ 210ms}$
$\frac{1637.51}{1636.7}$	Th ₉₀ ²¹³	$\frac{213.01210}{213.01301}$	90n	2+0	8+0	18+0	26+3	1+22	1+8	1+0	$\frac{7.840M}{\alpha\ 144ms}$
$\frac{1646.12}{1646.3}$	Pa ₉₁ ²¹⁵	$\frac{215.01934}{215.01919}$	91n	2+0	8+0	18+0	28+2	0+22	1+9	1+0	$\frac{8.240M}{\alpha\ 14.0ms}$
$\frac{1656.54}{1656.8}$	U ₉₂ ²¹⁷	$\frac{217.02465}{217.02437}$	92n	2+0	8+0	18+0	30+1	0+22	0+10	1+0	$\frac{8.170M}{\alpha\ 16.0ms}$
$\frac{1665.01}{-}$	Np ₉₃ ²¹⁹	$\frac{219.03205}{-}$	93n	2+0	8+0	18+0	30+1	1+21	0+11	1+0	$\frac{9.554M}{-}$
$\frac{1675.30}{-}$	Pu ₉₄ ²²¹	$\frac{221.03749}{-}$	94n	2+0	8+0	18+0	30+1	1+21	1+11	1+0	$\frac{9.800M}{-}$