TAVOLA PERIODICA DEI NUCLEI ATOMICI

configurazione dei livelli nucleari degli isodiaferi $I = +27$

$\frac{E_c(MeV)}{E_s(MeV)}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_\alpha(eV)}{T_{1/2}}$
$\frac{772.162}{-}$	Se_{34}^{95}	$\frac{94.96566}{-}$	34n	2+0	4+2	0+9	0+9	1+3	0+3	0+1	$\frac{-}{\beta^- > 300\text{ns}}$
$\frac{790.275}{790.19}$	Br_{35}^{97}	$\frac{96.96271}{96.96280}$	35n	2+0	6+1	0+9	0+10	0+2	0+4	0+1	$\frac{-}{\beta^- 10\text{ms}}$
$\frac{810.409}{810.39}$	Kr_{36}^{99}	$\frac{98.95758}{98.95760}$	36n	2+0	4+2	0+9	1+10	1+2	0+4	1+0	$\frac{-9.928\text{M}}{\beta^- 13\text{ms}}$
$\frac{829.903}{829.85}$	Rb_{37}^{101}	$\frac{100.95314}{100.95320}$	37n	2+0	6+1	0+9	0+11	0+3	1+3	1+0	$\frac{-10.90\text{M}}{\beta^- 32.0\text{ms}}$
$\frac{849.228}{849.17}$	Sr_{38}^{103}	$\frac{102.94889}{102.94895}$	38n	2+0	8+0	0+9	0+12	0+2	0+4	1+0	$\frac{-11.20\text{M}}{\beta^- 68.0\text{ms}}$
$\frac{868.201}{868.33}$	Y_{39}^{105}	$\frac{104.94501}{104.94487}$	39n	2+0	8+0	2+8	0+12	0+4	0+2	0+1	$\frac{-10.30\text{M}}{\beta^- 85.0\text{ms}}$
$\frac{887.420}{887.53}$	Zr_{40}^{107}	$\frac{106.94087}{106.94075}$	40n	2+0	8+0	0+9	0+12	1+5	1+1	1+0	$\frac{-9.200\text{M}}{\beta^- 138\text{ms}}$
$\frac{905.687}{905.79}$	Nb_{41}^{109}	$\frac{108.93775}{108.93763}$	41n	2+0	8+0	0+9	1+12	1+5	1+1	1+0	$\frac{-8.400\text{M}}{\beta^- 106\text{ms}}$
$\frac{924.250}{924.15}$	Mo_{42}^{111}	$\frac{110.93431}{110.93441}$	42n	2+0	8+0	2+8	1+13	1+4	1+1	0+1	$\frac{-8.200\text{M}}{\beta^- 220\text{ms}}$
$\frac{941.968}{942.14}$	Tc_{43}^{113}	$\frac{112.93178}{112.93159}$	43n	2+0	8+0	4+7	0+14	0+4	1+2	1+0	$\frac{-8.500\text{M}}{\beta^- 160\text{ms}}$
$\frac{960.500}{960.20}$	Ru_{44}^{115}	$\frac{114.92837}{114.92869}$	44n	2+0	8+0	6+6	0+15	0+3	1+2	0+1	$\frac{-8.550\text{M}}{\beta^- 318\text{ms}}$
$\frac{978.094}{978.09}$	Rh_{45}^{117}	$\frac{116.92597}{116.92598}$	45n	2+0	8+0	6+6	0+15	1+4	0+1	1+1	$\frac{-8.440\text{M}}{\beta^- 440\text{ms}}$
$\frac{996.048}{996.12}$	Pd_{46}^{119}	$\frac{118.92319}{118.92311}$	46n	2+0	8+0	8+5	0+16	0+3	0+2	1+1	$\frac{-7.640\text{M}}{\beta^- 0.92\text{s}}$
$\frac{1014.69}{1014.5}$	Ag_{47}^{121}	$\frac{120.91967}{120.91985}$	47n	2+0	8+0	8+5	0+16	0+4	1+2	1+0	$\frac{-7.931\text{M}}{\beta^- 0.78\text{s}}$
$\frac{1032.20}{1032.5}$	Cd_{48}^{123}	$\frac{122.91736}{122.91700}$	48n	2+0	8+0	10+4	0+16	1+5	0+1	0+1	$\frac{-8.340\text{M}}{\beta^- 2.10\text{s}}$
$\frac{1051.36}{1051.1}$	In_{49}^{125}	$\frac{124.91328}{124.91360}$	49n	2+0	8+0	10+4	0+16	0+7	1+0	1+0	$\frac{-8.500\text{M}}{\beta^- 2.36\text{s}}$
$\frac{1069.11}{1069.4}$	Sn_{50}^{127}	$\frac{126.91071}{126.91036}$	50n	2+0	8+0	12+3	0+16	0+8	1+0	0+0	$\frac{-8.580\text{M}}{\beta^- 2.10\text{h}}$

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$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_\alpha(\text{eV})}{T_{1/2}}$
$\frac{1085.96}{1085.9}$	Sb_{51}^{129}	$\frac{128.90911}{128.909148}$	51n	2+0	8+0	14+2	0+16	0+9	0+0	0+0	$\frac{-6.580\text{M}}{\beta^-\ 4.40\text{h}}$
$\frac{1101.29}{1101.9}$	Te_{52}^{131}	$\frac{130.90915}{130.908524}$	52n	2+0	8+0	14+2	0+16	1+9	0+0	0+0	$\frac{-4.166\text{M}}{\beta^-\ 25.0\text{m}}$
$\frac{1116.55}{1117.9}$	I_{53}^{133}	$\frac{132.90925}{132.907797}$	53n	2+0	8+0	16+1	0+16	0+10	0+0	0+0	$\frac{-3.682\text{M}}{\beta^-\ 20.83\text{h}}$
$\frac{1131.72}{1133.8}$	Xe_{54}^{135}	$\frac{134.90946}{134.907227}$	54n	2+0	8+0	16+1	0+16	1+10	0+0	0+0	$\frac{-3.632\text{M}}{\beta^-\ 9.14\text{h}}$
$\frac{1146.82}{1149.3}$	Cs_{55}^{137}	$\frac{136.90974}{136.907089}$	55n	2+0	8+0	18+0	0+16	0+11	0+0	0+0	$\frac{-3.084\text{M}}{\beta^-\ 30.08\text{a}}$
$\frac{1161.82}{1163.0}$	Ba_{56}^{139}	$\frac{138.91012}{138.908841}$	56n	2+0	8+0	18+0	0+16	1+11	0+0	0+0	$\frac{-921\text{K}}{\beta^-\ 83.06\text{m}}$
$\frac{1176.75}{1176.4}$	La_{57}^{141}	$\frac{140.91059}{140.910962}$	57n	2+0	8+0	18+0	2+15	0+12	0+0	0+0	$\frac{1.187\text{M}}{\beta^-\ 3.92\text{h}}$
$\frac{1190.06}{1190.4}$	Ce_{58}^{143}	$\frac{142.91279}{142.912386}$	58n	2+0	8+0	18+0	2+15	0+12	1+0	0+0	$\frac{884\text{K}}{\beta^-\ 33.039\text{h}}$
$\frac{1203.26}{1203.8}$	Pr_{59}^{145}	$\frac{144.91511}{144.914512}$	59n	2+0	8+0	18+0	4+14	0+12	0+1	0+0	$\frac{883\text{K}}{\beta^-\ 5.984\text{h}}$
$\frac{1217.89}{1217.7}$	Nd_{60}^{147}	$\frac{146.91589}{146.916100}$	60n	2+0	8+0	18+0	4+14	1+12	0+1	0+0	$\frac{1.0346\text{M}}{\beta^-\ 10.98\text{d}}$
$\frac{1230.90}{1231.0}$	Pm_{61}^{149}	$\frac{148.91841}{148.918334}$	61n	2+0	8+0	18+0	4+14	1+12	1+1	0+0	$\frac{1.138\text{M}}{\beta^-\ 53.08\text{h}}$
$\frac{1244.29}{1244.8}$	Sm_{62}^{151}	$\frac{150.91937}{150.919932}$	62n	2+0	8+0	18+0	6+12	1+15	0+0	0+0	$\frac{1.1456\text{M}}{\beta^-\ 90.0\text{a}}$
$\frac{1258.68}{1259.0}$	Eu_{63}^{153}	$\frac{152.92157}{152.921230}$	63n	2+0	8+0	18+0	8+11	0+16	0+0	0+0	$\frac{272.5\text{K}}{st}$
$\frac{1272.98}{1273.1}$	Gd_{64}^{155}	$\frac{154.92271}{154.922622}$	64n	2+0	8+0	18+0	8+11	1+16	0+0	0+0	$\frac{81.2\text{K}}{st}$
$\frac{1286.68}{1287.1}$	Tb_{65}^{157}	$\frac{156.92449}{156.924025}$	65n	2+0	8+0	18+0	10+11	0+14	0+2	0+0	$\frac{178.2\text{K}}{ce\ 71.0\text{a}}$
$\frac{1300.80}{1300.9}$	Dy_{66}^{159}	$\frac{158.92582}{158.925739}$	66n	2+0	8+0	18+0	10+11	1+14	0+2	0+0	$\frac{478.4\text{K}}{ce\ 144.4\text{d}}$
$\frac{1314.85}{1314.3}$	Ho_{67}^{161}	$\frac{160.92723}{160.927855}$	67n	2+0	8+0	18+0	12+10	0+15	0+2	0+0	$\frac{1.1421\text{M}}{ce\ 2.48\text{h}}$

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$\frac{1327.15}{1327.6}$	Er_{68}^{163}	$\frac{162.93052}{162.930033}$	68n	2+0	8+0	18+0	12+10	0+15	1+2	0+0	$\frac{1.575M}{ce\ 75.0m}$
$\frac{1341.01}{1340.7}$	Tm_{69}^{165}	$\frac{164.93213}{164.932435}$	69n	2+0	8+0	18+0	12+10	1+15	1+2	0+0	$\frac{1.842M}{ce\ 30.06h}$
$\frac{1353.11}{1353.7}$	Yb_{70}^{167}	$\frac{166.93563}{166.93495}$	70n	2+0	8+0	18+0	14+9	1+15	0+3	0+0	$\frac{2.152M}{ce\ 17.5m}$
$\frac{1366.79}{1366.6}$	Lu_{71}^{169}	$\frac{168.93743}{168.937651}$	71n	2+0	8+0	18+0	16+8	0+16	0+3	0+0	$\frac{2.421M}{ce\ 34.06h}$
$\frac{1378.67}{1379.3}$	Hf_{72}^{171}	$\frac{170.94117}{170.94049}$	72n	2+0	8+0	18+0	16+8	0+16	1+3	0+0	$\frac{2.730M}{ce\ 12.1h}$
$\frac{1391.14}{1391.6}$	Ta_{73}^{173}	$\frac{172.94427}{172.94375}$	73n	2+0	8+0	18+0	16+8	1+16	0+3	1+0	$\frac{3.260M}{ce\ 3.14h}$
$\frac{1404.54}{1404.2}$	W_{74}^{175}	$\frac{174.94637}{174.94672}$	74n	2+0	8+0	18+0	18+7	0+17	0+3	1+0	$\frac{3.370M}{ce\ 35.2m}$
$\frac{1416.11}{1416.2}$	Re_{75}^{177}	$\frac{176.95044}{176.95033}$	75n	2+0	8+0	18+0	18+7	0+17	1+3	1+0	$\frac{3.700M}{ce\ 14.0m}$
$\frac{1428.28}{1428.3}$	Os_{76}^{179}	$\frac{178.953816}{178.953816}$	76n	2+0	8+0	18+0	20+6	1+17	0+3	0+1	$\frac{4.190M}{ce\ 6.50m}$
$\frac{1439.65}{1440.1}$	Ir_{77}^{181}	$\frac{180.95815}{180.957625}$	77n	2+0	8+0	18+0	20+6	1+17	1+3	0+1	$\frac{4.370M}{ce\ 4.90m}$
$\frac{1451.96}{1451.8}$	Pt_{78}^{183}	$\frac{182.96143}{182.961597}$	78n	2+0	8+0	18+0	20+6	1+17	1+4	1+0	$\frac{4.823M}{ce\ 6.50m}$
$\frac{1463.12}{1463.3}$	Au_{79}^{185}	$\frac{184.96593}{184.965789}$	79n	2+0	8+0	18+0	22+5	1+17	0+5	1+0	$\frac{5.180M}{ce\ 4.25m}$
$\frac{1475.88}{1474.9}$	Hg_{80}^{187}	$\frac{186.969814}{186.969814}$	80n	2+0	8+0	18+0	24+4	0+18	1+4	0+1	$\frac{5.230M}{ce\ 2.40m}$
$\frac{1486.89}{1486.7}$	Tl_{81}^{189}	$\frac{188.97340}{188.973588}$	81n	2+0	8+0	18+0	24+4	0+18	1+5	1+0	$\frac{4.840M}{ce\ 2.30m}$
$\frac{1497.73}{1497.7}$	Pb_{82}^{191}	$\frac{190.97827}{190.97827}$	82n	2+0	8+0	18+0	26+3	0+18	0+6	1+0	$\frac{5.450M}{ce\ 1.33m}$
$\frac{1508.45}{1508.7}$	Bi_{83}^{193}	$\frac{192.98323}{192.98296}$	83n	2+0	8+0	18+0	26+3	0+18	1+6	1+0	$\frac{6.304M}{ce\ 63.6s}$
$\frac{1519.12}{1519.3}$	Po_{84}^{195}	$\frac{194.98827}{194.98811}$	84n	2+0	8+0	18+0	28+2	0+18	0+7	1+0	$\frac{6.750M}{\alpha\ 4.64s}$

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$\frac{1529.76}{1529.9}$	At_{85}^{197}	$\frac{196.99333}{196.99319}$	85n	2+0	8+0	18+0	28+2	0+18	1+7	1+0	$\frac{7.100M}{\alpha\ 0.388s}$
$\frac{1540.35}{1540.4}$	Rn_{86}^{199}	$\frac{198.99846}{198.99837}$	86n	2+0	8+0	18+0	30+1	0+18	0+8	1+0	$\frac{7.140M}{\alpha\ 0.59s}$
$\frac{1550.88}{1550.7}$	Fr_{87}^{201}	$\frac{201.00364}{201.00386}$	87n	2+0	8+0	18+0	30+1	0+18	1+8	1+0	$\frac{7.520M}{\alpha\ 62.0ms}$
$\frac{1561.36}{1561.0}$	Ra_{88}^{203}	$\frac{203.00888}{203.00927}$	88n	2+0	8+0	18+0	32+0	0+18	0+9	1+0	$\frac{7.740M}{\alpha\ 31.0ms}$