

TAVOLA DEI NUCLEI ATOMICI isobari

configurazione dei livelli nucleari degli isobari con **A = 150-a**

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_{\beta np}(\text{eV})}{\beta^- T_{1/2}}$
$\frac{1198.29}{-}$	Xe ¹⁵⁰ ₅₄	$\frac{149.96797}{-}$	54n	2+0	8+0	0+9	0+16	0+5	1+12	1+0	$\frac{5.110M}{n\beta^-}$
$\frac{1206.96}{1206.6}$	Cs ¹⁵⁰ ₅₅	$\frac{149.95782}{149.95817}$	55n	2+0	8+0	4+7	0+16	0+7	0+10	1+0	$\frac{5.700M}{n\beta^- 100ms}$
$\frac{1217.00}{1217.5}$	Ba ¹⁵⁰ ₅₆	$\frac{149.94620}{149.94568}$	56n	2+0	8+0	6+6	0+16	1+9	0+7	1+0	$\frac{6.200M}{\beta^- 300ms}$
$\frac{1222.98}{1223.1}$	La ¹⁵⁰ ₅₇	$\frac{149.93894}{149.93877}$	57n	2+0	8+0	10+4	0+16	0+11	1+4	0+1	$\frac{8.300M}{\beta^- 860ms}$
$\frac{1230.02}{1230.1}$	Ce ¹⁵⁰ ₅₈	$\frac{149.93049}{149.93041}$	58n	2+0	8+0	14+2	0+16	0+12	0+4	0+0	$\frac{3.450M}{\beta^- 4.0s}$
$\frac{1233.51}{1232.8}$	Pr ¹⁵⁰ ₅₉	$\frac{149.92596}{149.926673}$	59n	2+0	8+0	16+1	0+16	1+12	0+3	0+0	$\frac{5.384M}{\beta^- 6.19s}$
$\frac{1236.78}{1237.4}$	Nd ¹⁵⁰ ₆₀	$\frac{149.92161}{149.920891}$	60n	2+0	8+0	18+0	2+15	0+13	0+2	0+0	$\frac{3.3672M}{2\beta^- 7.9 \cdot 10^{18}a}$
$\frac{1236.70}{1236.6}$	Pm ¹⁵⁰ ₆₁	$\frac{149.92085}{149.920984}$	61n	2+0	8+0	18+0	4+14	1+12	0+2	0+0	$\frac{3.454M}{\beta^- 2.68h}$
$\frac{1239.80}{1239.2}$	Sm ¹⁵⁰ ₆₂	$\frac{149.91668}{149.917276}$	62n	2+0	8+0	18+0	7+12	1+14	0+0	0+0	st 7.38%
$\frac{1236.31}{1236.2}$	Eu ¹⁵⁰ ₆₃	$\frac{149.91959}{149.919702}$	63n	2+0	8+0	18+0	10+10	1+14	0+0	0+0	$\frac{972.0K}{ce 36.9a}$
$\frac{1236.85}{1236.4}$	Gd ¹⁵⁰ ₆₄	$\frac{149.91817}{149.918659}$	64n	2+0	8+0	18+0	13+9	0+13	1+0	0+0	$\frac{2.808M}{a 1.79 \cdot 10^6a}$
$\frac{1230.69}{1231.0}$	Tb ¹⁵⁰ ₆₅	$\frac{149.92395}{149.92366}$	65n	2+0	8+0	18+0	16+8	1+9	0+3	0+0	$\frac{4.658M}{ce 3.48h}$
$\frac{1227.75}{1228.4}$	Dy ¹⁵⁰ ₆₆	$\frac{149.92626}{149.925585}$	66n	2+0	8+0	18+0	18+7	1+8	1+3	0+0	$\frac{1.795M}{ce 7.17m}$
$\frac{1219.62}{1220.2}$	Ho ¹⁵⁰ ₆₇	$\frac{149.93415}{149.933496}$	67n	2+0	8+0	18+0	22+5	0+6	1+5	0+0	$\frac{7.365M}{ce 72.0s}$
$\frac{1215.41}{1215.3}$	Er ¹⁵⁰ ₆₈	$\frac{149.93783}{149.937914}$	68n	2+0	8+0	18+0	23+4	1+6	1+4	1+0	$\frac{4.115M}{ce 18.5s}$
$\frac{1203.61}{1203.3}$	Tm ¹⁵⁰ ₆₉	$\frac{149.94966}{149.94996}$	69n	2+0	8+0	18+0	26+2	1+4	1+6	1+0	$\frac{11.34M}{ce 2.20s}$

TAVOLA PERIODICA DEI NUCLEI ATOMICI
configurazione dei livelli nucleari degli isobari $A = 150-b$

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_{\beta np}(\text{eV})}{\beta np - T_{1/2}}$
$\frac{1194.83}{1194.7}$	Yb_{70}^{150}	$\frac{149.95824}{149.95842}$	70n	2+0	8+0	18+0	29+0	1+3	1+7	1+0	$\frac{7.900M}{ce\ 700ms}$
$\frac{1180.21}{1180.1}$	Lu_{71}^{150}	$\frac{149.97310}{149.97323}$	71n	2+0	8+0	18+0	26+0	8+0	1+7	0+1	$\frac{14.00M}{ce\ 45.0ms}$