

TAVOLA DEI NUCLEI ATOMICI isobari

configurazione dei livelli nucleari degli isobari con **A = 154-a**

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_{\beta np}(\text{eV})}{\beta np - T_{1/2}}$
$\frac{1223.44}{-}$	Cs ₅₅ ¹⁵⁴	$\frac{153.97479}{-}$	55n	2+0	8+0	0+9	0+16	0+5	0+14	1+0	$\frac{5.260M}{n\beta^-}$
$\frac{1233.55}{-}$	Ba ₅₆ ¹⁵⁴	$\frac{153.96309}{-}$	56n	2+0	8+0	2+8	0+16	1+7	0+11	1+0	$\frac{7.250M}{\beta^-}$
$\frac{1241.12}{1240.8}$	La ₅₇ ¹⁵⁴	$\frac{153.95413}{153.95450}$	57n	2+0	8+0	6+6	0+16	1+9	0+8	0+1	$\frac{10.70M}{\beta^- 100ms}$
$\frac{1250.39}{1250.3}$	Ce ₅₈ ¹⁵⁴	$\frac{153.94333}{153.94342}$	58n	2+0	8+0	8+5	0+16	1+11	0+6	1+0	$\frac{5.500M}{\beta^- 300ms}$
$\frac{1255.52}{1255.0}$	Pr ₅₉ ¹⁵⁴	$\frac{153.93699}{153.93752}$	59n	2+0	8+0	10+4	0+16	1+12	1+4	1+0	$\frac{7.490M}{\beta^- 2.30s}$
$\frac{1261.41}{1261.7}$	Nd ₆₀ ¹⁵⁴	$\frac{153.92982}{153.92948}$	60n	2+0	8+0	14+2	0+16	1+13	1+3	0+0	$\frac{2.810M}{\beta^- 25.9s}$
$\frac{1263.05}{1263.8}$	Pm ₆₁ ¹⁵⁴	$\frac{153.92722}{153.92646}$	61n	2+0	8+0	18+0	0+16	1+13	0+3	0+0	$\frac{3.960M}{\beta^- 2.68m}$
$\frac{1266.54}{1266.9}$	Sm ₆₂ ¹⁵⁴	$\frac{153.92264}{153.922209}$	62n	2+0	8+0	18+0	4+13	0+17	0+0	0+0	$\frac{1.2507M}{\frac{2\beta^- 2.3 \cdot 10^{18} a}{22.75\%}}$
$\frac{1265.88}{1265.4}$	Eu ₆₃ ¹⁵⁴	$\frac{153.92251}{153.922979}$	63n	2+0	8+0	18+0	7+12	0+15	0+1	0+0	$\frac{1.9686M}{\beta^- 8.601a}$
$\frac{1266.83}{1266.6}$	Gd ₆₄ ¹⁵⁴	$\frac{153.92065}{153.920866}$	64n	2+0	8+0	18+0	9+11	0+15	1+0	0+0	$\frac{st}{2.18\%}$
$\frac{1262.45}{1262.3}$	Tb ₆₅ ¹⁵⁴	$\frac{153.92451}{153.92468}$	65n	2+0	8+0	18+0	12+10	0+12	1+2	0+0	$\frac{3.550M}{ce 21.5h}$
$\frac{1261.31}{1261.7}$	Dy ₆₆ ¹⁵⁴	$\frac{153.92489}{153.924424}$	66n	2+0	8+0	18+0	14+9	1+11	1+2	0+0	$\frac{2.945M}{\alpha 3.0 \cdot 10^6 a}$
$\frac{1255.00}{1255.2}$	Ho ₆₇ ¹⁵⁴	$\frac{153.93083}{153.930602}$	67n	2+0	8+0	18+0	18+7	1+9	0+4	0+0	$\frac{5.754M}{ce 11.76m}$
$\frac{1252.36}{1252.4}$	Er ₆₈ ¹⁵⁴	$\frac{153.93282}{153.932783}$	68n	2+0	8+0	18+0	20+6	0+9	1+3	1+0	$\frac{2.033M}{ce 3.73m}$
$\frac{1242.82}{1243.4}$	Tm ₆₉ ¹⁵⁴	$\frac{153.94222}{153.941568}$	69n	2+0	8+0	18+0	24+4	1+6	0+5	0+1	$\frac{5.094M}{\alpha 8.10s}$
$\frac{1238.34}{1238.2}$	Yb ₇₀ ¹⁵⁴	$\frac{153.94619}{153.946394}$	70n	2+0	8+0	18+0	26+3	0+5	1+6	1+0	$\frac{5.4742M}{\alpha 0.409s}$

configurazione dei livelli nucleari degli isobari **A = 154-b**

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_{\beta np}(\text{eV})}{\beta np - T_{1/2}}$
$\frac{1227.04}{1227.0}$	Lu ₇₁ ¹⁵⁴	$\frac{153.95748}{153.95752}$	71n	2+0	8+0	18+0	30+0	0+5	1+6	0+1	$\frac{10.37M}{ce\ 1s}$
$\frac{1219.77}{1219.4}$	Hf ₇₂ ¹⁵⁴	$\frac{153.96445}{153.96486}$	72n	2+0	8+0	18+0	32+0	1+1	1+6	0+3	$\frac{6.800M}{ce\ 2.0s}$