

TAVOLA DEI NUCLEI ATOMICI isobari

configurazione dei livelli nucleari degli isobari con **A = 152-a**

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_{\beta np}(\text{eV})}{\beta np - T_{1/2}}$
$\frac{1205.59}{-}$	Xe ¹⁵² ₅₄	$\frac{151.97745}{-}$	54n	2+0	8+0	0+9	0+16	0+4	0+14	0+1	$\frac{5.410M}{n\beta^-}$
$\frac{1215.20}{-}$	Cs ¹⁵² ₅₅	$\frac{151.96630}{-}$	55n	2+0	8+0	2+8	0+16	0+6	0+12	1+0	$\frac{5600M}{n\beta^-}$
$\frac{1225.27}{1225.6}$	Ba ¹⁵² ₅₆	$\frac{151.95465}{151.95427}$	56n	2+0	8+0	4+7	0+16	1+8	0+9	1+0	$\frac{2.900M}{n\beta^- 100ms}$
$\frac{1232.81}{1232.3}$	La ¹⁵² ₅₇	$\frac{151.94572}{151.94625}$	57n	2+0	8+0	8+5	0+16	1+10	0+6	0+1	$\frac{9.600M}{\beta^- 200ms}$
$\frac{1240.51}{1240.6}$	Ce ¹⁵² ₅₈	$\frac{151.93661}{151.93654}$	58n	2+0	8+0	10+4	0+16	0+12	1+4	1+0	$\frac{4.450M}{\beta^- 1.40s}$
$\frac{1244.98}{1244.5}$	Pr ¹⁵² ₅₉	$\frac{151.93097}{151.93150}$	59n	2+0	8+0	14+2	0+16	1+12	0+4	0+0	$\frac{6.390M}{\beta^- 3.57s}$
$\frac{1249.88}{1250.1}$	Nd ¹⁵² ₆₀	$\frac{151.92487}{151.924682}$	60n	2+0	8+0	16+1	0+16	1+13	1+2	0+0	$\frac{1.104M}{\beta^- 11.4m}$
$\frac{1249.87}{1250.4}$	Pm ¹⁵² ₆₁	$\frac{151.92404}{151.923497}$	61n	2+0	8+0	18+0	2+15	0+13	1+2	0+0	$\frac{3.510M}{\beta^- 4.12m}$
$\frac{1253.04}{1253.1}$	Sm ¹⁵² ₆₂	$\frac{151.91980}{151.919732}$	62n	2+0	8+0	18+0	5+13	0+15	1+0	0+0	st 26.75%
$\frac{1250.97}{1250.4}$	Eu ¹⁵² ₆₃	$\frac{151.92118}{151.921744}$	63n	2+0	8+0	18+0	9+11	0+14	0+1	0+0	$\frac{1.8751M}{\beta^- 13.528a}$
$\frac{1251.84}{1251.5}$	Gd ¹⁵² ₆₄	$\frac{151.91941}{151.919791}$	64n	2+0	8+0	18+0	11+10	0+14	1+0	0+0	$\frac{2.2044M}{\alpha 1.08 \cdot 10^{14} a}$ 0.20%
$\frac{1247.38}{1246.7}$	Tb ¹⁵² ₆₅	$\frac{151.92336}{151.92407}$	65n	2+0	8+0	18+0	14+9	0+11	1+2	0+0	$\frac{3.990M}{ce 17.5h}$
$\frac{1244.53}{1245.3}$	Dy ¹⁵² ₆₆	$\frac{151.92558}{151.924718}$	66n	2+0	8+0	18+0	18+7	0+10	0+3	0+0	$\frac{600.0K}{ce 2.38h}$
$\frac{1238.13}{1238.0}$	Ho ¹⁵² ₆₇	$\frac{151.93161}{151.931714}$	67n	2+0	8+0	18+0	20+6	0+8	1+4	0+0	$\frac{6.510M}{ce 161.8s}$
$\frac{1233.75}{1234.1}$	Er ¹⁵² ₆₈	$\frac{151.93547}{151.93505}$	68n	2+0	8+0	18+0	22+5	0+7	1+4	1+0	$\frac{4.9343M}{\alpha 10.3s}$
$\frac{1224.12}{1224.6}$	Tm ¹⁵² ₆₉	$\frac{151.94497}{151.94442}$	69n	2+0	8+0	18+0	26+3	1+4	0+6	0+1	$\frac{8.730M}{ce 8.0s}$

TAVOLA PERIODICA DEI NUCLEI ATOMICI
configurazione dei livelli nucleari degli isobari $A = 152-b$

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_{\beta np}(\text{eV})}{\beta np - T_{1/2}}$
$\frac{1218.54}{1218.4}$	Yb_{70}^{152}	$\frac{151.95012}{151.95029}$	70n	2+0	8+0	18+0	30+1	0+3	0+7	0+1	$\frac{5.470\text{M}}{\text{ce } 3.03\text{s}}$
$\frac{1204.63}{1204.7}$	Lu_{71}^{152}	$\frac{151.96421}{151.96412}$	71n	2+0	8+0	18+0	28+0	3+3	1+7	1+0	$\frac{12.90\text{M}}{\text{ce } 700\text{ms}}$