

TAVOLA DEI NUCLEI ATOMICI isobari

configurazione dei livelli nucleari degli isobari con **A = 221**

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_{\beta np}(\text{eV})}{\beta np - T_{1/2}}$
$\frac{1693.18}{-}$	Bi ₈₃ ²²¹	$\frac{221.02753}{-}$	83n	2+0	8+0	16+1	0+16	1+20	1+17	0+1	$\frac{4.200M}{\beta^- > 300ns}$
$\frac{1697.18}{-}$	Po ₈₄ ²²¹	$\frac{221.02240}{-}$	84n	2+0	8+0	18+0	2+15	0+22	1+15	0+1	$\frac{2.970M}{\beta^- 112s}$
$\frac{1700.37}{1700.4}$	At ₈₅ ²²¹	$\frac{221.01813}{221.01805}$	85n	2+0	8+0	18+0	4+14	0+23	1+14	1+0	$\frac{2.340M}{\beta^- 2.30m}$
$\frac{1701.67}{1702.0}$	Rn ₈₆ ²²¹	$\frac{221.01590}{221.015537}$	86n	2+0	8+0	18+0	8+12	1+23	0+14	0+0	$\frac{1.195M}{\beta^- 25.0m}$
$\frac{1703.58}{1702.6}$	Fr ₈₇ ²²¹	$\frac{221.01301}{221.014255}$	87n	2+0	8+0	18+0	10+11	1+24	1+12	0+0	$\frac{6.4578M}{\alpha 286.1s}$
$\frac{1702.44}{1702.0}$	Ra ₈₈ ²²¹	$\frac{221.01339}{221.013917}$	88n	2+0	8+0	18+0	14+9	0+25	0+11	1+0	$\frac{6.679M}{\alpha 38.0s}$
$\frac{1700.44}{1699.6}$	Ac ₈₉ ²²¹	$\frac{221.01470}{221.01559}$	89n	2+0	8+0	18+0	16+8	0+25	1+10	1+0	$\frac{7.1374M}{\alpha 5.0s}$
$\frac{1696.45}{1696.4}$	Th ₉₀ ²²¹	$\frac{221.01814}{221.018184}$	90n	2+0	8+0	18+0	18+7	1+24	1+10	1+0	$\frac{8.127M}{\alpha 2.80ms}$
$\frac{1693.06}{1692.2}$	Pa ₉₁ ²²¹	$\frac{221.02094}{221.02188}$	91n	2+0	8+0	18+0	22+5	1+24	1+9	0+1	$\frac{8.850M}{\alpha 2.90ms}$
$\frac{1686.92}{1687.2}$	U ₉₂ ²²¹	$\frac{221.02669}{221.02640}$	92n	2+0	8+0	18+0	26+3	1+23	0+10	0+1	$\frac{9.500M}{\alpha 1.0\mu s}$
$\frac{1680.62}{-}$	Np ₉₃ ²²¹	$\frac{221.03262}{-}$	93n	2+0	8+0	18+0	28+2	1+22	1+10	0+1	—
$\frac{1675.30}{-}$	Pu ₉₄ ²²¹	$\frac{221.03749}{-}$	94n	2+0	8+0	18+0	30+1	1+21	1+11	1+0	—