

TAVOLA DEI NUCLEI ATOMICI isobari

configurazione dei livelli nucleari degli isobari con **A = 209**

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_{\beta np}(\text{eV})}{\beta np - T_{1/2}}$
$\frac{1629.42}{-}$	Au ²⁰⁹ ₇₉	$\frac{208.99536}{-}$	79n	2+0	8+0	16+1	0+16	1+22	1+11	0+1	$\frac{6.100M}{\beta^- > 300ns}$
$\frac{1632.78}{1632.7}$	Hg ²⁰⁹ ₈₀	$\frac{208.99092}{208.99104}$	80n	2+0	8+0	18+0	2+15	0+24	0+9	1+1	$\frac{5.100M}{\beta^- 35.0s}$
$\frac{1636.71}{1637.2}$	Tl ²⁰⁹ ₈₁	$\frac{208.98586}{208.985359}$	81n	2+0	8+0	18+0	4+14	1+24	1+9	0+0	$\frac{3.977M}{\beta^- 2.161m}$
$\frac{1637.25}{1640.4}$	Pb ²⁰⁹ ₈₂	$\frac{208.98444}{208.981090}$	82n	2+0	8+0	18+0	8+12	0+25	1+8	0+0	$\frac{644.0K}{\beta^- 3.253h}$
$\frac{1635.81}{1640.23}$	Bi ²⁰⁹ ₈₃	$\frac{208.98514}{208.980399}$	83n	2+0	8+0	18+0	12+10	0+25	0+8	0+0	$\frac{3.1373M}{\alpha 1.9 \cdot 10^{19}a}$
$\frac{1634.22}{1637.6}$	Po ²⁰⁹ ₈₄	$\frac{208.98601}{208.982430}$	84n	2+0	8+0	18+0	14+9	0+25	1+7	0+0	$\frac{4.9792M}{\alpha 102.0a}$
$\frac{1632.53}{1633.3}$	At ²⁰⁹ ₈₅	$\frac{208.98698}{208.986173}$	85n	2+0	8+0	18+0	18+7	0+25	0+7	0+0	$\frac{3.484M}{ce 5.41h}$
$\frac{1628.88}{1628.6}$	Rn ²⁰⁹ ₈₆	$\frac{208.99006}{208.990415}$	86n	2+0	8+0	18+0	20+6	1+24	0+7	0+0	$\frac{3.954M}{ce 25.8m}$
$\frac{1622.15}{1622.6}$	Fr ²⁰⁹ ₈₇	$\frac{208.99645}{208.995954}$	87n	2+0	8+0	18+0	22+5	1+23	0+7	1+0	$\frac{6.777M}{\alpha 50.5s}$
$\frac{1616.36}{1616.2}$	Ra ²⁰⁹ ₈₈	$\frac{209.00182}{209.00199}$	88n	2+0	8+0	18+0	24+4	1+22	1+7	1+0	$\frac{7.144M}{\alpha 4.60s}$
$\frac{1608.57}{1608.4}$	Ac ²⁰⁹ ₈₉	$\frac{209.00935}{209.00949}$	89n	2+0	8+0	18+0	28+2	0+21	1+8	1+0	$\frac{7.730M}{\alpha 100ms}$
$\frac{1600.61}{1600.0}$	Th ²⁰⁹ ₉₀	$\frac{209.01705}{209.01772}$	90n	2+0	8+0	18+0	30+1	1+19	1+9	1+0	$\frac{8.270M}{\alpha 2.50ms}$