TAVOLA DEI NUCLEI ATOMICI isobari

configurazione dei livelli nucleari degli isobari con $A = 238$

$\frac{E_c(MeV)}{E_s(MeV)}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_{\beta np}(eV)}{\beta np\ \text{-}T_{1/2}}$
$\frac{1792.97}{-}$	Ac_{89}^{238}	$\frac{238.06267}{-}$	89n	2+0	8+0	18+0	0+16	1+20	1+23	1+0	$\frac{5.712M}{\beta^-}$
$\frac{1797.38}{1797.9}$	Th_{90}^{238}	$\frac{238.05709}{238.05650}$	90n	2+0	8+0	18+0	2+15	1+22	1+20	0+1	$\frac{1.900M}{\beta^- 9.40m}$
$\frac{1799.09}{1799.0}$	Pa_{91}^{238}	$\frac{238.05442}{238.05450}$	91n	2+0	8+0	18+0	6+13	1+23	0+19	0+1	$\frac{3.460M}{\beta^- 2.27m}$
$\frac{1801.83}{1801.7}$	U_{92}^{238}	$\frac{238.05143}{238.050788}$	92n	2+0	8+0	18+0	8+12	1+24	0+18	1+0	$\frac{4.270M}{\frac{\alpha\ 4.468\cdot10^9 a}{99.2742\%}}$
$\frac{1800.72}{1800.8}$	Np_{93}^{238}	$\frac{238.05099}{238.050946}$	93n	2+0	8+0	18+0	12+10	1+24	0+18	0+0	$\frac{1.2915M}{\beta^- 2.117d}$
$\frac{1800.22}{1801.3}$	Pu_{94}^{238}	$\frac{238.05068}{238.049560}$	94n	2+0	8+0	18+0	16+8	0+25	0+17	0+0	$\frac{5.5932M}{\alpha\ 87.7a}$
$\frac{1797.73}{1798.2}$	Am_{95}^{238}	$\frac{238.05252}{238.05201}$	95n	2+0	8+0	18+0	18+7	0+25	1+16	0+0	$\frac{2.260M}{ce\ 98.0m}$
$\frac{1795.11}{1796.5}$	Cm_{96}^{238}	$\frac{238.05449}{238.052999}$	96n	2+0	8+0	18+0	22+5	0+25	0+16	0+0	$\frac{1.020M}{ce\ 2.40h}$
$\frac{1790.46}{1790.8}$	Bk_{97}^{238}	$\frac{238.05864}{238.058281}$	97n	2+0	8+0	18+0	24+4	1+24	0+16	0+0	$\frac{4.800M}{ce\ 144s}$
$\frac{1787.18}{1787.1}$	Cf_{98}^{238}	$\frac{238.06132}{238.061410}$	98n	2+0	8+0	18+0	28+2	0+25	0+14	0+1	$\frac{-}{FS\ 21ms}$
$\frac{1782.26}{-}$	Es_{99}^{238}	$\frac{238.06577}{-}$	99n	2+0	8+0	18+0	30+1	1+24	0+14	0+1	—