

## TAVOLA DEI NUCLEI ATOMICI isobari

configurazione dei livelli nucleari degli isobari con **A = 166**

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_{\beta np}(\text{eV})}{\beta np - T_{1/2}}$
$\frac{1324.41}{-}$	$\text{Pm}_{61}^{166}$	$\frac{165.96533}{-}$	61n	2+0	8+0	6+6	0+16	1+11	0+10	0+1	$\frac{8.030M}{\beta^-}$
$\frac{1332.44}{-}$	$\text{Sm}_{62}^{166}$	$\frac{165.95587}{-}$	62n	2+0	8+0	8+5	0+16	1+13	1+7	0+1	$\frac{4.760M}{\beta^- 200\text{ms}}$
$\frac{1337.15}{1337.2}$	$\text{Eu}_{63}^{166}$	$\frac{165.94997}{165.94997}$	63n	2+0	8+0	12+3	0+16	1+14	0+6	0+1	$\frac{7.700M}{\beta^- 400\text{ms}}$
$\frac{1344.25}{1344.2}$	$\text{Gd}_{64}^{166}$	$\frac{165.94151}{165.94160}$	64n	2+0	8+0	14+2	0+16	0+16	1+4	1+0	$\frac{3.400M}{\beta^- 4.80\text{s}}$
$\frac{1346.36}{1346.7}$	$\text{Tb}_{65}^{166}$	$\frac{165.93841}{165.93799}$	65n	2+0	8+0	18+0	0+16	0+16	1+4	0+0	$\frac{4.700M}{\beta^- 25.1\text{s}}$
$\frac{1350.54}{1350.8}$	$\text{Dy}_{66}^{166}$	$\frac{165.93308}{165.932807}$	66n	2+0	8+0	18+0	4+14	0+17	0+3	0+0	$\frac{486.9K}{\beta^- 81.6\text{h}}$
$\frac{1349.60}{1350.5}$	$\text{Ho}_{67}^{166}$	$\frac{165.93325}{165.932284}$	67n	2+0	8+0	18+0	6+13	1+16	0+3	0+0	$\frac{1.8546M}{\beta^- 26.824\text{h}}$
$\frac{1351.74}{1351.6}$	$\text{Er}_{68}^{166}$	$\frac{165.93011}{165.930293}$	68n	2+0	8+0	18+0	10+11	0+17	0+2	0+0	<b>st</b> 33.503%
$\frac{1348.69}{1347.8}$	$\text{Tm}_{69}^{166}$	$\frac{165.93255}{165.933554}$	69n	2+0	8+0	18+0	12+10	0+16	1+2	0+0	$\frac{3.038M}{ce 7.70\text{h}}$
$\frac{1347.07}{1346.7}$	$\text{Yb}_{70}^{166}$	$\frac{165.93345}{165.933882}$	70n	2+0	8+0	18+0	14+9	1+15	1+2	0+0	$\frac{293.0K}{ce 56.7\text{h}}$
$\frac{1339.80}{1340.3}$	$\text{Lu}_{71}^{166}$	$\frac{165.94041}{165.93986}$	71n	2+0	8+0	18+0	18+7	0+14	1+2	0+1	$\frac{5.570M}{ce 2.65\text{m}}$
$\frac{1337.02}{1337.4}$	$\text{Hf}_{72}^{166}$	$\frac{165.94255}{165.94218}$	72n	2+0	8+0	18+0	20+6	0+13	1+3	1+0	$\frac{2.160M}{ce 6.77\text{m}}$
$\frac{1328.53}{1328.8}$	$\text{Ta}_{73}^{166}$	$\frac{165.95083}{165.95051}$	73n	2+0	8+0	18+0	24+4	0+11	1+4	0+1	$\frac{7.760M}{ce 34.4\text{s}}$
$\frac{1323.55}{1323.8}$	$\text{W}_{74}^{166}$	$\frac{165.95534}{165.955027}$	74n	2+0	8+0	18+0	26+3	1+9	0+6	1+0	$\frac{4.210M}{ce 19.2\text{s}}$
$\frac{1312.78}{1313.0}$	$\text{Re}_{75}^{166}$	$\frac{165.96605}{165.96581}$	75n	2+0	8+0	18+0	30+1	0+7	1+7	0+1	$\frac{9.990M}{ce 2.25\text{s}}$
$\frac{1305.56}{1305.8}$	$\text{Os}_{76}^{166}$	$\frac{165.97297}{165.972691}$	76n	2+0	8+0	18+0	32+0	0+5	1+9	1+0	$\frac{6.139M}{\alpha 199\text{ms}}$
$\frac{1292.48}{1292.8}$	$\text{Ir}_{77}^{166}$	$\frac{165.98617}{165.98582}$	77n	2+0	8+0	18+0	32+0	4+0	1+11	0+1	$\frac{6.722M}{\alpha 10.5\text{ms}}$
$\frac{1283.24}{1283.6}$	$\text{Pt}_{78}^{166}$	$\frac{165.99525}{165.99486}$	78n	2+0	8+0	18+0	31+0	2+0	6+10	1+0	$\frac{7.286M}{\alpha 300\mu\text{s}}$