TAVOLA DEI NUCLEI ATOMICI isobari

configurazione dei livelli nucleari degli isobari con $A = 169$

$\frac{E_c(MeV)}{E_s(MeV)}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_{\beta np}(eV)}{\beta np\ -T_{1/2}}$
$\frac{1351.50}{-}$	Eu^{169}_{63}	$\frac{168.96056}{-}$	63n	2+0	8+0	8+5	0+16	1+13	1+8	0+1	$\frac{6.900M}{\beta^-}$
$\frac{1358.67}{1358.4}$	Gd^{169}_{64}	$\frac{168.95203}{168.952287}$	64n	2+0	8+0	12+3	0+16	0+15	0+7	1+0	$\frac{6.100M}{\beta^- 1s}$
$\frac{1363.10}{1363.3}$	Tb^{169}_{65}	$\frac{168.94643}{168.94622}$	65n	2+0	8+0	14+2	0+16	0+16	1+5	1+0	$\frac{5.400M}{\beta^- 2s}$
$\frac{1368.34}{1368.0}$	Dy^{169}_{66}	$\frac{168.93997}{168.94031}$	66n	2+0	8+0	18+0	0+16	0+17	1+4	0+0	$\frac{3.200M}{\beta^- 39.0s}$
$\frac{1370.78}{1370.4}$	Ho^{169}_{67}	$\frac{168.93651}{168.936872}$	67n	2+0	8+0	18+0	2+15	1+17	1+3	0+0	$\frac{2.125M}{\beta^- 4.72m}$
$\frac{1371.36}{1371.8}$	Er^{169}_{68}	$\frac{168.93504}{168.934590}$	68n	2+0	8+0	18+0	6+13	1+17	0+3	0+0	$\frac{352.9K}{\beta^- 9.392d}$
$\frac{1371.73}{1371.4}$	Tm^{169}_{69}	$\frac{168.93381}{168.934213}$	69n	2+0	8+0	18+0	8+12	1+17	1+2	0+0	**st**
$\frac{1370.22}{1369.7}$	Yb^{169}_{70}	$\frac{168.93459}{168.93519}$	70n	2+0	8+0	18+0	12+10	0+17	1+2	0+0	$\frac{898.4K}{ce\ 32.018d}$
$\frac{1366.79}{1366.6}$	Lu^{169}_{71}	$\frac{168.93743}{168.937651}$	71n	2+0	8+0	18+0	16+8	0+16	0+3	0+0	$\frac{2.293M}{ce\ 34.06d}$
$\frac{1362.08}{1362.4}$	Hf^{169}_{72}	$\frac{168.94165}{168.94126}$	72n	2+0	8+0	18+0	18+7	0+15	0+3	1+0	$\frac{3.370M}{ce\ 3.24m}$
$\frac{1357.12}{1357.2}$	Ta^{169}_{73}	$\frac{168.94613}{168.94601}$	73n	2+0	8+0	18+0	22+5	0+14	0+3	0+1	$\frac{4.430M}{ce\ 4.90m}$
$\frac{1351.23}{1351.1}$	W^{169}_{74}	$\frac{168.95161}{168.951779}$	74n	2+0	8+0	18+0	24+4	1+12	0+4	0+1	$\frac{5.370M}{ce\ 74.0s}$
$\frac{1343.36}{1343.8}$	Re^{169}_{75}	$\frac{168.95922}{168.95879}$	75n	2+0	8+0	18+0	26+3	1+10	1+5	0+1	$\frac{6.508M}{ce\ 8.10s}$
$\frac{1335.22}{1335.3}$	Os^{169}_{76}	$\frac{168.967089}{168.967019}$	76n	2+0	8+0	18+0	30+1	1+8	0+7	0+1	$\frac{7.690M}{ce\ 3.43s}$
$\frac{1326.12}{1325.9}$	Ir^{169}_{77}	$\frac{168.97605}{168.976295}$	77n	2+0	8+0	18+0	32+0	0+6	1+9	1+0	$\frac{6.141M}{\alpha\ 353ms}$
$\frac{1315.69}{1315.4}$	Pt^{169}_{78}	$\frac{168.98641}{168.98672}$	78n	2+0	8+0	18+0	32+0	3+2	1+11	1+0	$\frac{6.858.M}{\alpha\ 7.0ms}$
$\frac{1303.92}{1304.0}$	Au^{169}_{79}	$\frac{168.99823}{168.99808}$	79n	2+0	8+0	18+0	32+0	2+0	6+10	0+1	$\frac{2.47173M}{p\ 150\mu s}$