

## TAVOLA DEI NUCLEI ATOMICI isobari

configurazione dei livelli nucleari degli isobari con **A = 151-a**

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_{\beta np}(\text{eV})}{\beta np - T_{1/2}}$
$\frac{1201.49}{-}$	Xe <sup>151</sup> <sub>54</sub>	$\frac{150.97319}{-}$	54n	2+0	8+0	0+9	0+16	1+4	0+13	0+1	$\frac{5.110M}{n\beta^-}$
$\frac{1211.08}{1211.0}$	Cs <sup>151</sup> <sub>55</sub>	$\frac{150.96206}{150.96219}$	55n	2+0	8+0	2+8	0+16	1+6	0+11	1+0	$\frac{7.200M}{n\beta^- 60ms}$
$\frac{1221.14}{1220.8}$	Ba <sup>151</sup> <sub>56</sub>	$\frac{150.95042}{150.95081}$	56n	2+0	8+0	6+6	0+16	0+9	0+8	1+0	$\frac{2.900M}{n\beta^- 200ms}$
$\frac{1228.66}{1228.5}$	La <sup>151</sup> <sub>57</sub>	$\frac{150.94151}{150.94172}$	57n	2+0	8+0	10+4	0+16	0+11	0+5	0+1	$\frac{2.890M}{n\beta^- 300ms}$
$\frac{1234.20}{1234.9}$	Ce <sup>151</sup> <sub>58</sub>	$\frac{150.93472}{150.93398}$	58n	2+0	8+0	12+3	0+16	1+11	0+5	0+0	$\frac{5.555M}{\beta^- 1.76s}$
$\frac{1239.24}{1239.4}$	Pr <sup>151</sup> <sub>59</sub>	$\frac{150.92847}{150.928319}$	59n	2+0	8+0	14+2	0+16	1+12	1+3	0+0	$\frac{4.166M}{\beta^- 18.90s}$
$\frac{1242.55}{1242.8}$	Nd <sup>151</sup> <sub>60</sub>	$\frac{150.92408}{150.923829}$	60n	2+0	8+0	18+0	0+16	0+13	1+2	0+0	$\frac{2.442M}{\beta^- 12.44m}$
$\frac{1244.08}{1244.4}$	Pm <sup>151</sup> <sub>61</sub>	$\frac{150.92159}{150.921207}$	61n	2+0	8+0	18+0	4+14	0+13	0+2	0+0	$\frac{1.187M}{\beta^- 28.40h}$
$\frac{1244.29}{1244.8}$	Sm <sup>151</sup> <sub>62</sub>	$\frac{150.91937}{150.919932}$	62n	2+0	8+0	18+0	6+12	1+15	0+0	0+0	$\frac{76.2K}{\beta^- 90.0a}$
$\frac{1243.77}{1244.1}$	Eu <sup>151</sup> <sub>63</sub>	$\frac{150.92025}{150.919850}$	63n	2+0	8+0	18+0	10+10	0+15	0+0	0+0	$\frac{1.9649M}{\alpha 1.7 \cdot 10^{18}a}$ 47.81%
$\frac{1242.74}{1242.9}$	Gd <sup>151</sup> <sub>64</sub>	$\frac{150.92051}{150.920348}$	64n	2+0	8+0	18+0	13+9	0+13	0+1	0+0	$\frac{464.0K}{ce 123.9d}$
$\frac{1239.85}{1239.5}$	Tb <sup>151</sup> <sub>65</sub>	$\frac{150.92278}{150.923103}$	65n	2+0	8+0	18+0	14+9	1+10	1+2	0+0	$\frac{2.565M}{ce 17.609h}$
$\frac{1235.32}{1235.9}$	Dy <sup>151</sup> <sub>66</sub>	$\frac{150.92680}{150.926185}$	66n	2+0	8+0	18+0	18+7	0+9	1+3	0+0	$\frac{2.870M}{ce 17.9m}$
$\frac{1230.52}{1230.0}$	Ho <sup>151</sup> <sub>67</sub>	$\frac{150.93111}{150.931688}$	67n	2+0	8+0	18+0	20+6	1+7	1+4	0+0	$\frac{5.129M}{ce 35.2s}$
$\frac{1223.45}{1223.8}$	Er <sup>151</sup> <sub>68</sub>	$\frac{150.93786}{150.937449}$	68n	2+0	8+0	18+0	24+4	0+6	1+4	0+1	$\frac{5.357M}{ce 23.5s}$
$\frac{1216.04}{1215.6}$	Tm <sup>151</sup> <sub>69</sub>	$\frac{150.94498}{150.945483}$	69n	2+0	8+0	18+0	27+2	0+5	0+6	1+0	$\frac{7.490M}{ce 4.17s}$

**TAVOLA PERIODICA DEI NUCLEI ATOMICI**  
**configurazione dei livelli nucleari degli isobari  $A = 151-b$**

$\frac{E_c(\text{MeV})}{E_s(\text{MeV})}$	Sa	$\frac{m_c}{m_s}$	n	1	2	3	4	5	6	7	$\frac{E_{\beta np}(\text{eV})}{\beta np - T_{1/2}}$
$\frac{1205.78}{1205.6}$	$\text{Yb}_{70}^{151}$	$\frac{150.95515}{150.95540}$	70n	2+0	8+0	18+0	30+1	0+1	1+8	0+1	$\frac{9.200M}{ce 1.60s}$
$\frac{1193.77}{1193.4}$	$\text{Lu}_{71}^{151}$	$\frac{150.96721}{150.96758}$	71n	2+0	8+0	18+0	27+0	5+2	1+7	1+0	$\frac{1.75448M}{p 80.6ms}$