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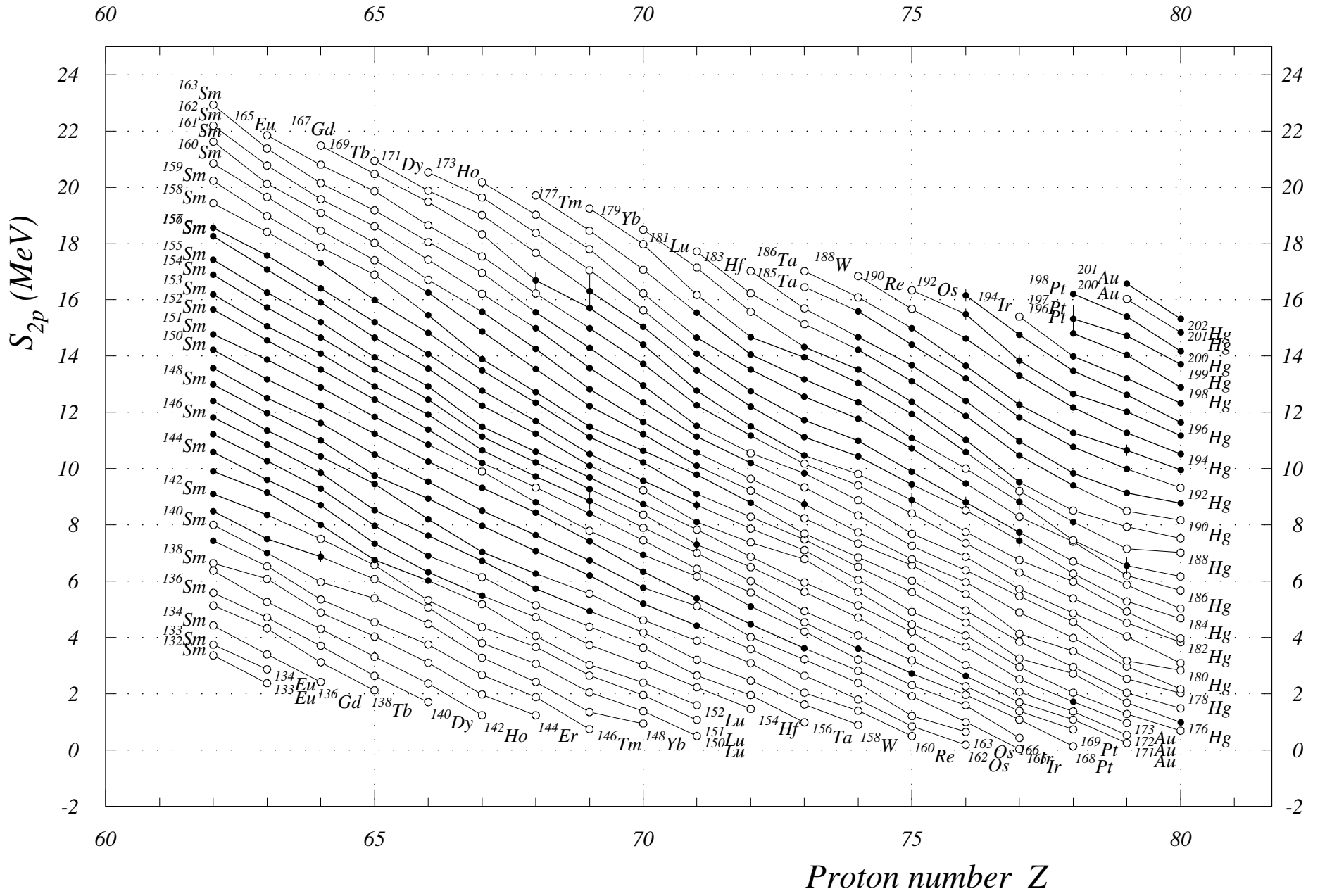
Fig. 5. Two protons separation energies Z = 62 to 80



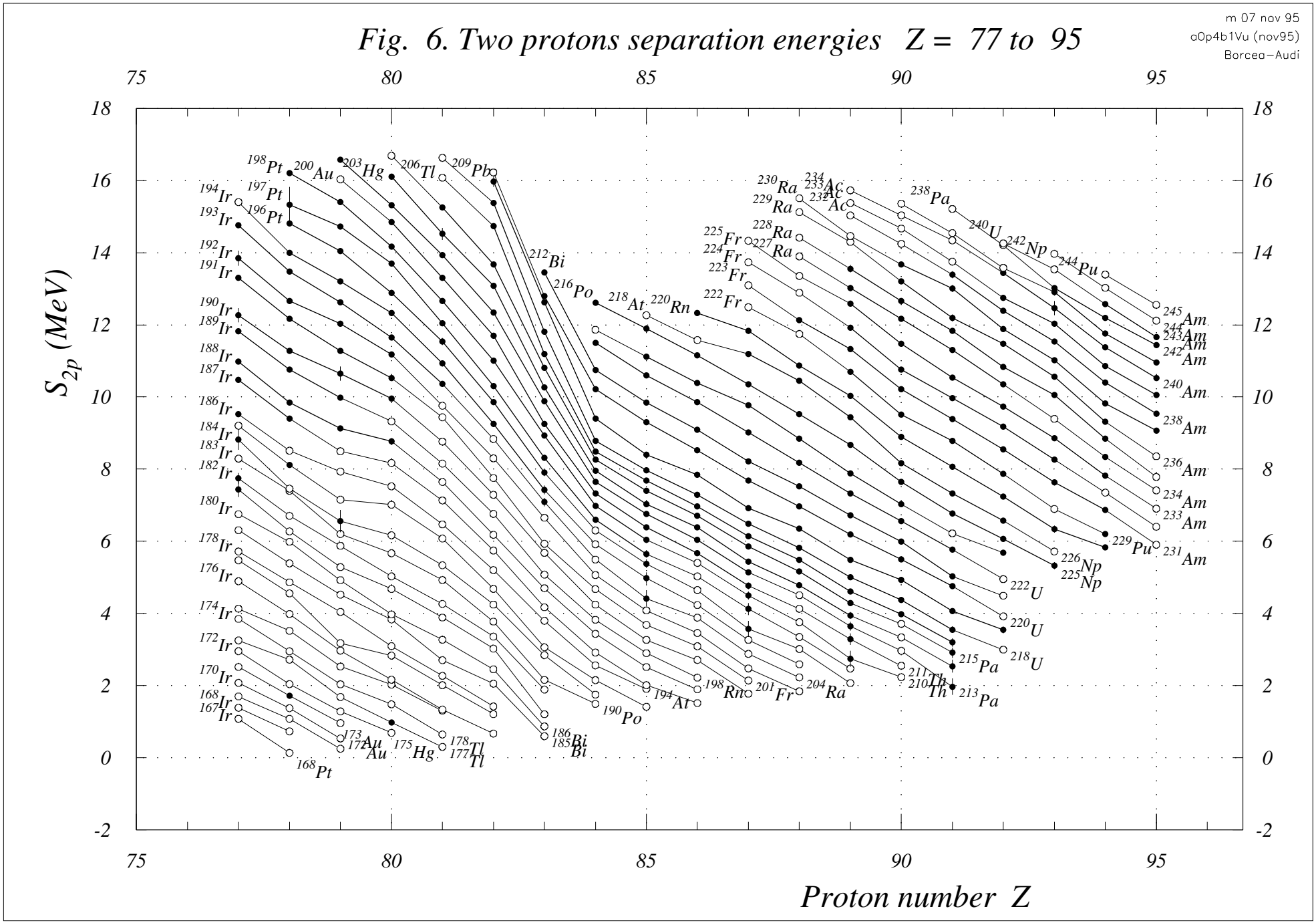

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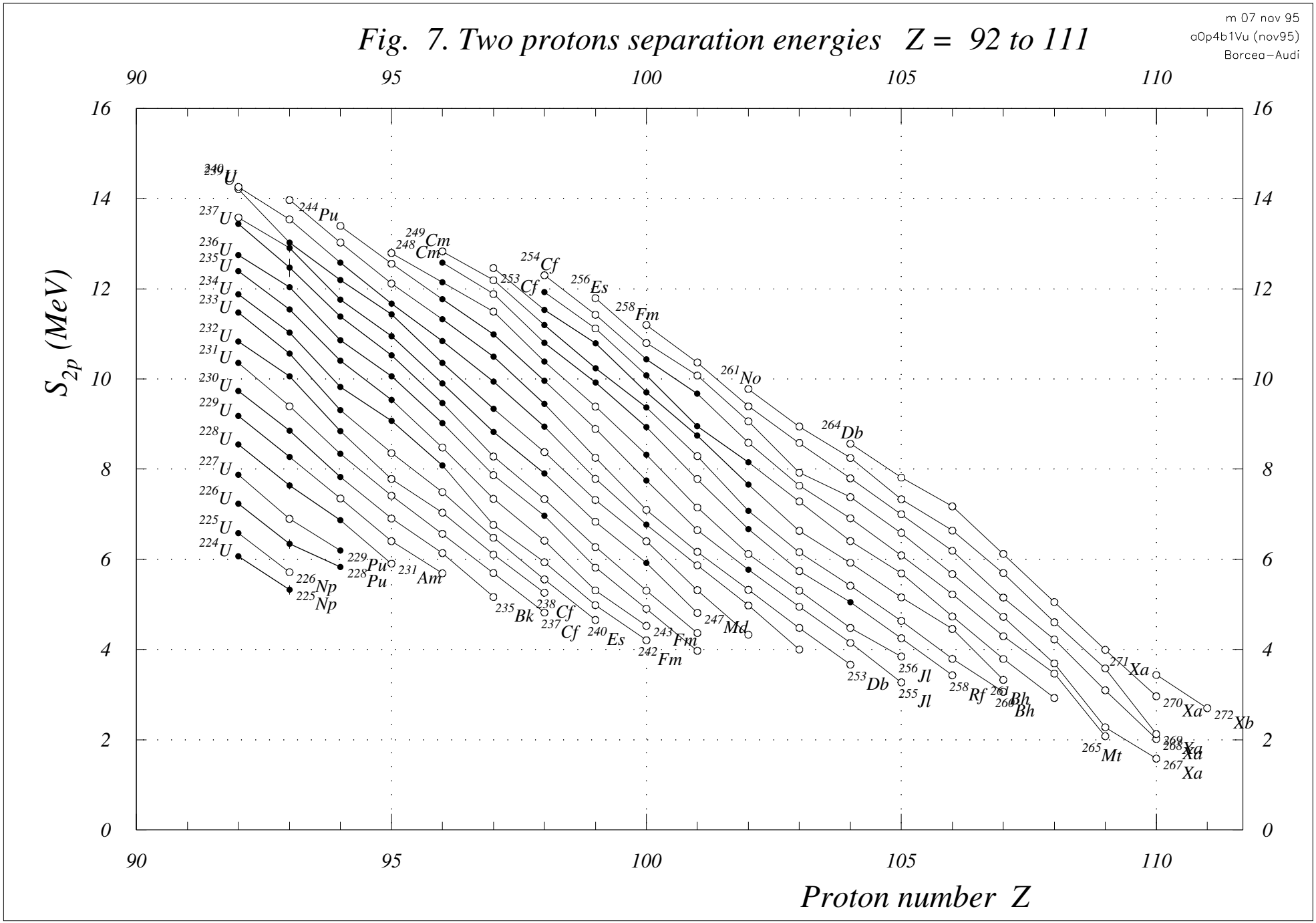
Fig. 6. Two protons separation energies Z = 77 to 95
S_{2p} (MeV)
Proton number Z
75
80
85
90
95
18
16
14
12
10
8
6
4
2
0
-2
^{198}Pt ^{200}Au ^{203}Hg ^{206}Tl ^{209}Pb
^{194}Ir ^{193}Ir ^{192}Ir ^{191}Ir ^{190}Ir ^{189}Ir ^{188}Ir ^{187}Ir ^{186}Ir ^{184}Ir ^{183}Ir ^{182}Ir ^{180}Ir ^{178}Ir ^{176}Ir ^{174}Ir ^{172}Ir ^{170}Ir ^{168}Ir ^{167}Ir
^{197}Pt ^{196}Pt
^{212}Bi ^{216}Po ^{218}At ^{220}Rn ^{222}Fr
^{230}Ra ^{229}Ra ^{228}Ra ^{227}Ra ^{225}Fr ^{224}Fr ^{223}Fr
^{234}Ac ^{233}Ac ^{232}Ac
^{238}Pa ^{240}U ^{242}Np ^{244}Pu
^{245}Am ^{244}Am ^{243}Am ^{242}Am ^{240}Am ^{238}Am ^{236}Am ^{234}Am ^{233}Am ^{231}Am
^{229}Pu ^{226}Np ^{225}Np ^{222}U ^{220}U ^{218}U ^{215}Pa ^{213}Pa ^{211}Th ^{210}Th
^{204}Ra ^{201}Fr ^{198}Rn ^{194}At ^{190}Po ^{186}Bi ^{185}Bi
^{178}Tl ^{177}Tl ^{175}Hg ^{173}Au ^{172}Au ^{168}Pt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Borcea–Audi
Fig. 7. Two protons separation energies Z = 92 to 111
S_{2p} (MeV)
Proton number Z
90
95
100
105
110
0
2
4
6
8
10
12
14
16
^{240}U
^{239}U
^{237}U
^{236}U
^{235}U
^{234}U
^{233}U
^{232}U
^{231}U
^{230}U
^{229}U
^{228}U
^{227}U
^{226}U
^{225}U
^{224}U
^{244}Pu
^{249}Cm
^{248}Cm
^{254}Cf
^{253}Cf
^{256}Es
^{258}Fm
^{261}No
^{264}Db
^{229}Pu
^{228}Pu
^{231}Am
^{226}Np
^{225}Np
^{235}Bk
^{238}Cf
^{237}Cf
^{240}Es
^{243}Fm
^{242}Fm
^{247}Md
^{253}Db
^{256}Jl
^{255}Jl
^{258}Rf
^{261}Bh
^{260}Bh
^{271}Xa
^{270}Xa
^{272}Xb
^{269}Xa
^{268}Xa
^{265}Mt
^{267}Xa