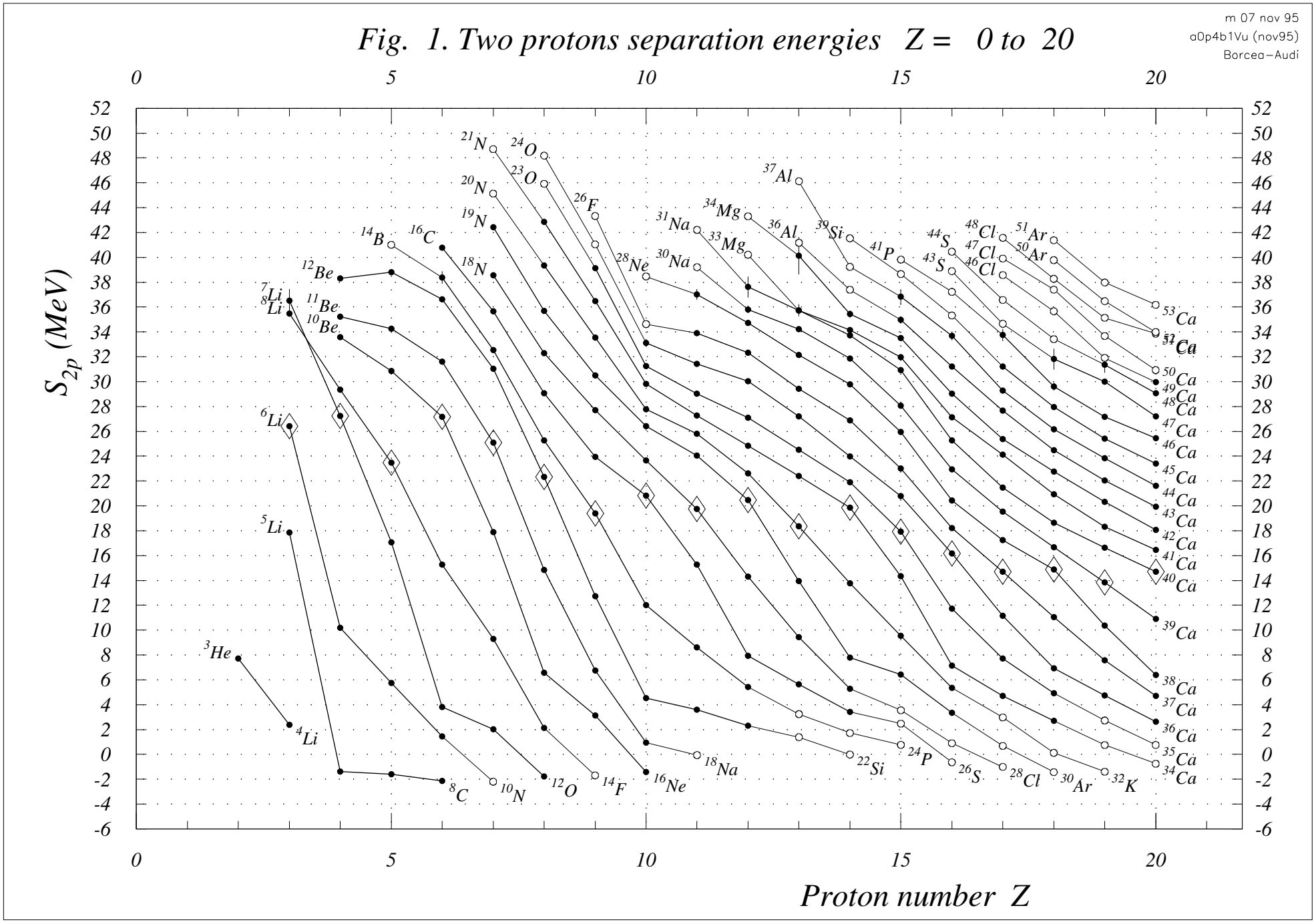
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Fig. 1. Two protons separation energies Z = 0 to 20
S_{2p} (MeV)
Proton number Z
^{3}He
^{4}Li
^{5}Li
^{6}Li
^{7}Li
^{8}Li
^{8}C
^{10}Be
^{11}Be
^{12}Be
^{14}B
^{16}C
^{10}N
^{18}N
^{19}N
^{20}N
^{21}N
^{12}O
^{23}O
^{24}O
^{14}F
^{26}F
^{16}Ne
^{28}Ne
^{18}Na
^{30}Na
^{31}Na
^{22}Si
^{33}Mg
^{34}Mg
^{24}P
^{36}Al
^{37}Al
^{26}S
^{39}Si
^{28}Cl
^{41}P
^{30}Ar
^{43}S
^{44}S
^{32}K
^{46}Cl
^{47}Cl
^{48}Cl
^{50}Ar
^{51}Ar
^{34}Ca
^{35}Ca
^{36}Ca
^{37}Ca
^{38}Ca
^{39}Ca
^{40}Ca
^{41}Ca
^{42}Ca
^{43}Ca
^{44}Ca
^{45}Ca
^{46}Ca
^{47}Ca
^{48}Ca
^{49}Ca
^{50}Ca
^{51}Ca
^{53}Ca

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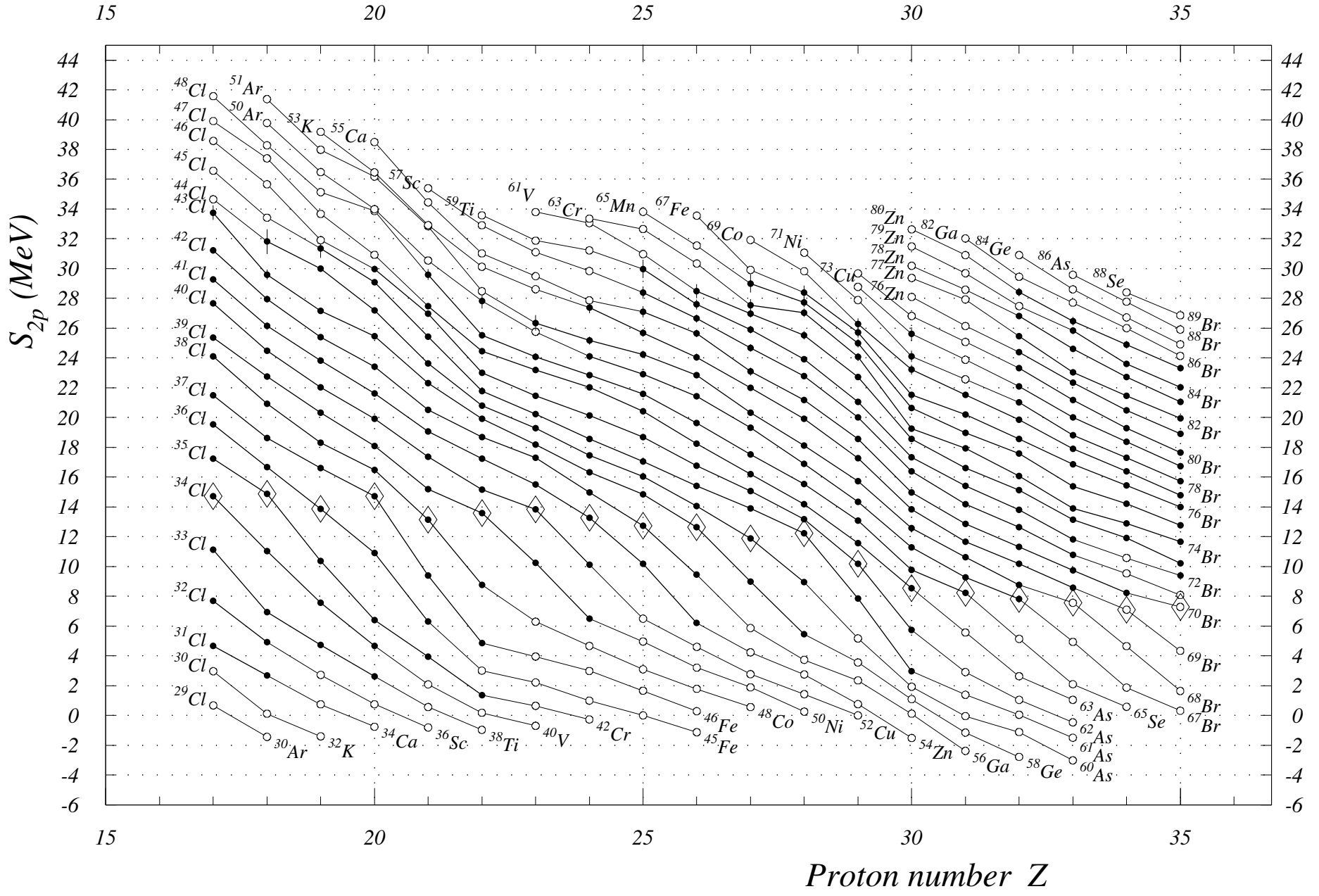
Fig. 2. Two protons separation energies Z = 17 to 35



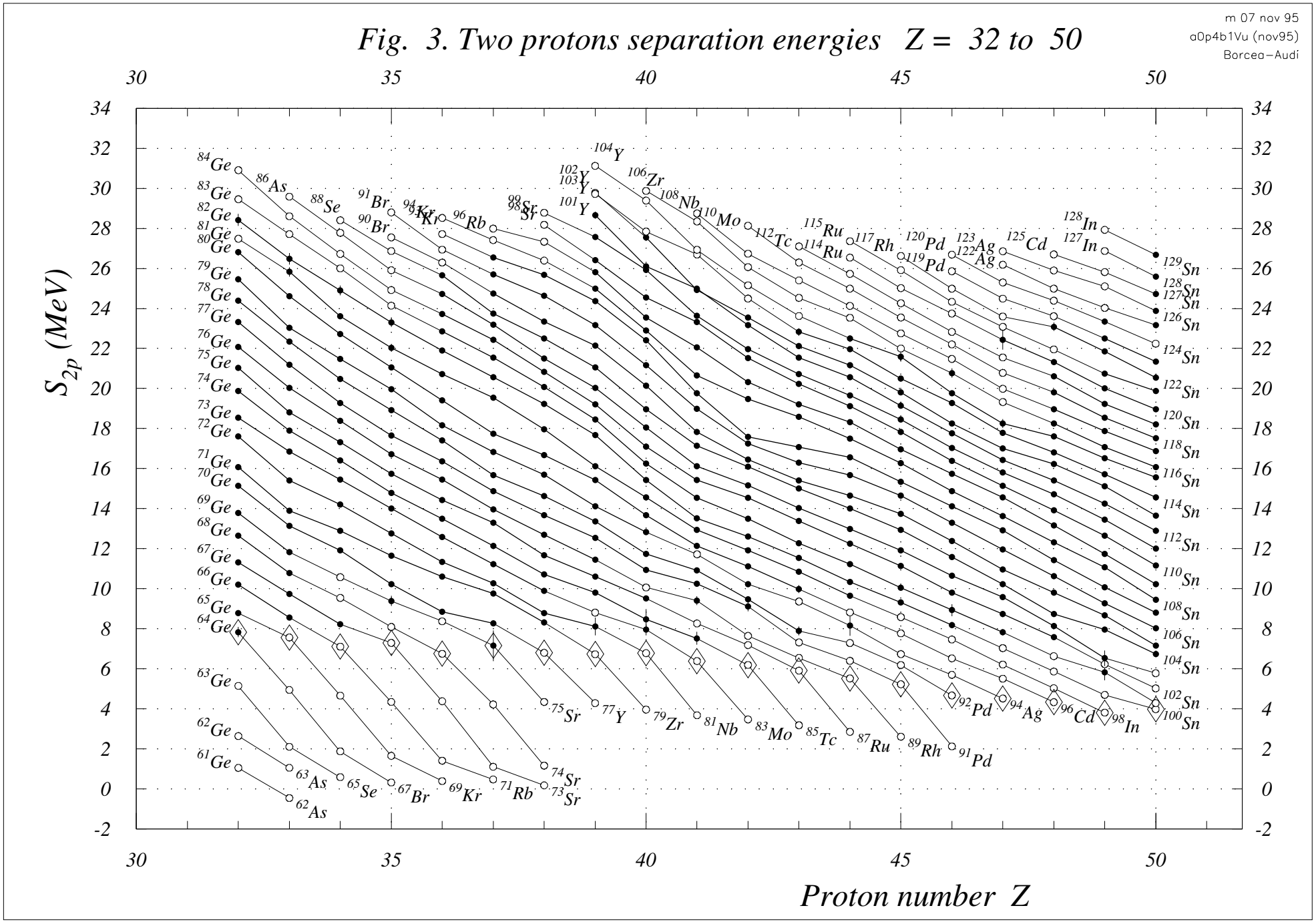

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Fig. 3. Two protons separation energies Z = 32 to 50
S_{2p} (MeV)
Proton number Z
30
35
40
45
50
-2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
^{84}Ge
^{83}Ge
^{82}Ge
^{81}Ge
^{80}Ge
^{79}Ge
^{78}Ge
^{77}Ge
^{76}Ge
^{75}Ge
^{74}Ge
^{73}Ge
^{72}Ge
^{71}Ge
^{70}Ge
^{69}Ge
^{68}Ge
^{67}Ge
^{66}Ge
^{65}Ge
^{64}Ge
^{63}Ge
^{62}Ge
^{61}Ge
^{86}As
^{63}As
^{62}As
^{88}Se
^{65}Se
^{91}Br
^{90}Br
^{67}Br
^{94}Kr
^{69}Kr
^{96}Rb
^{71}Rb
^{98}Sr
^{75}Sr
^{74}Sr
^{73}Sr
^{104}Y
^{102}Y
^{103}Y
^{101}Y
^{77}Y
^{106}Zr
^{79}Zr
^{108}Nb
^{81}Nb
^{110}Mo
^{83}Mo
^{112}Tc
^{85}Tc
^{115}Ru
^{114}Ru
^{87}Ru
^{117}Rh
^{89}Rh
^{120}Pd
^{119}Pd
^{91}Pd
^{123}Ag
^{122}Ag
^{92}Pd
^{125}Cd
^{94}Ag
^{128}In
^{127}In
^{96}Cd
^{98}In
^{129}Sn
^{128}Sn
^{127}Sn
^{126}Sn
^{124}Sn
^{122}Sn
^{120}Sn
^{118}Sn
^{116}Sn
^{114}Sn
^{112}Sn
^{110}Sn
^{108}Sn
^{106}Sn
^{104}Sn
^{102}Sn
^{100}Sn

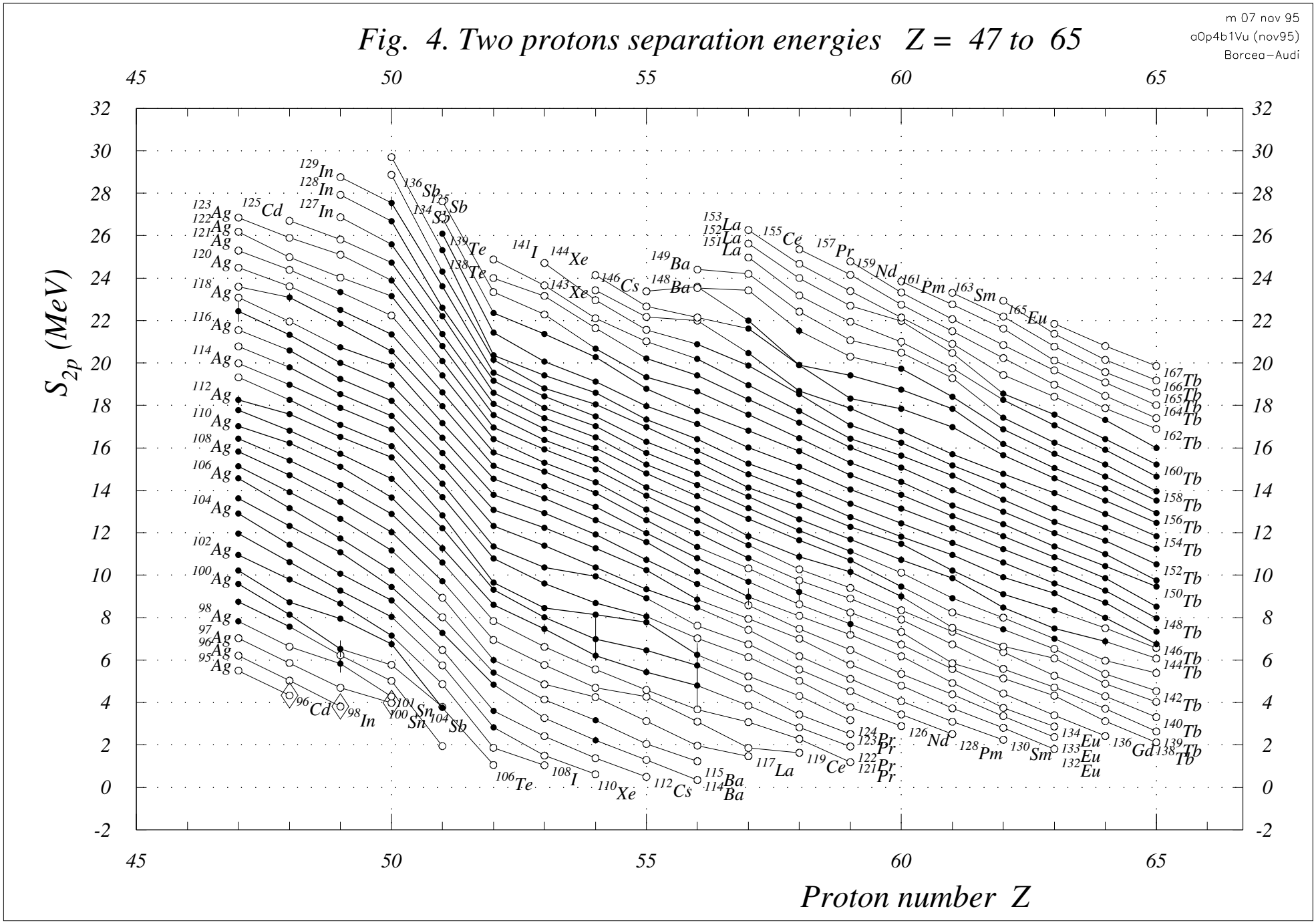
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Fig. 4. Two protons separation energies Z = 47 to 65
S_{2p} (MeV)
Proton number Z
45
50
55
60
65
32
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
-2
^{129}In
^{128}In
^{127}In
^{125}Cd
^{123}Ag
^{122}Ag
^{121}Ag
^{120}Ag
^{118}Ag
^{116}Ag
^{114}Ag
^{112}Ag
^{110}Ag
^{108}Ag
^{106}Ag
^{104}Ag
^{102}Ag
^{100}Ag
^{98}Ag
^{97}Ag
^{96}Ag
^{95}Ag
^{96}Cd
^{98}In
^{100}Sn
^{101}Sn
^{104}Sb
^{106}Te
^{108}I
^{110}Xe
^{112}Cs
^{114}Ba
^{115}Ba
^{117}La
^{119}Ce
^{121}Pr
^{122}Pr
^{123}Pr
^{124}Pr
^{126}Nd
^{128}Pm
^{130}Sm
^{132}Eu
^{133}Eu
^{134}Eu
^{136}Gd
^{138}Tb
^{139}Tb
^{140}Tb
^{142}Tb
^{144}Tb
^{146}Tb
^{148}Tb
^{150}Tb
^{152}Tb
^{154}Tb
^{156}Tb
^{158}Tb
^{160}Tb
^{162}Tb
^{164}Tb
^{165}Tb
^{166}Tb
^{167}Tb
^{165}Eu
^{163}Sm
^{161}Pm
^{159}Nd
^{157}Pr
^{155}Ce
^{153}La
^{152}La
^{151}La
^{149}Ba
^{148}Ba
^{146}Cs
^{144}Xe
^{143}Xe
^{141}I
^{139}Te
^{138}Te
^{136}Sb
^{135}Sb
^{134}Sb