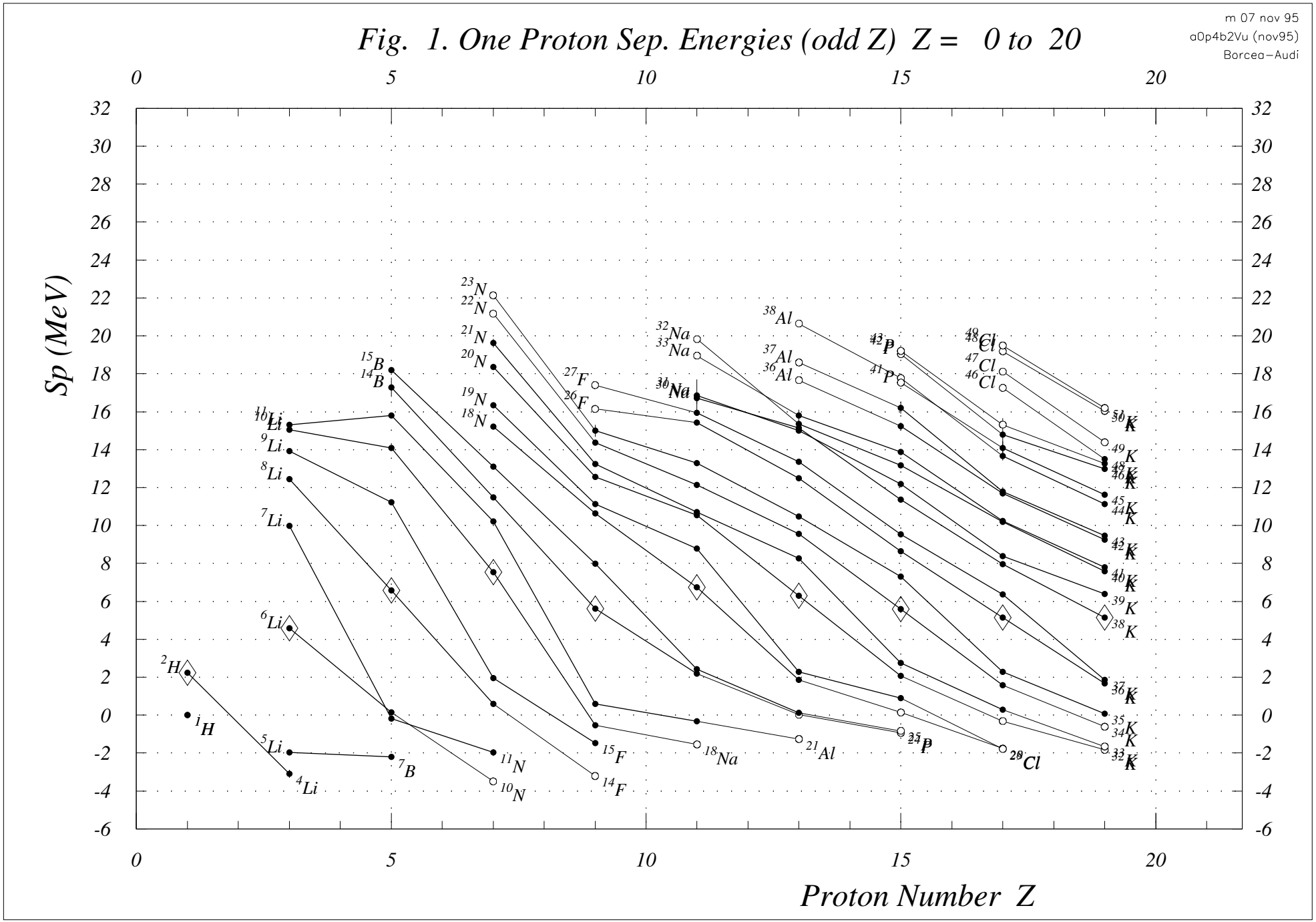
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Fig. 1. One Proton Sep. Energies (odd Z) Z = 0 to 20
Sp (MeV)
Proton Number Z
0
5
10
15
20
32
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
-2
-4
-6
^{1}H
^{2}H
^{4}Li
^{5}Li
^{6}Li
^{7}Li
^{8}Li
^{9}Li
^{10}Li
^{11}Li
^{7}B
^{10}N
^{11}N
^{14}F
^{15}F
^{18}Na
^{21}Al
^{24}P
^{29}Cl
^{14}B
^{15}B
^{18}N
^{19}N
^{20}N
^{21}N
^{22}N
^{23}N
^{26}F
^{27}F
^{30}Na
^{31}Na
^{32}Na
^{33}Na
^{36}Al
^{37}Al
^{38}Al
^{41}P
^{42}P
^{43}P
^{46}Cl
^{47}Cl
^{48}Cl
^{49}Cl
^{50}K
^{51}K
^{49}K
^{48}K
^{47}K
^{46}K
^{45}K
^{44}K
^{43}K
^{42}K
^{41}K
^{40}K
^{39}K
^{38}K
^{37}K
^{36}K
^{35}K
^{34}K
^{33}K
^{32}K

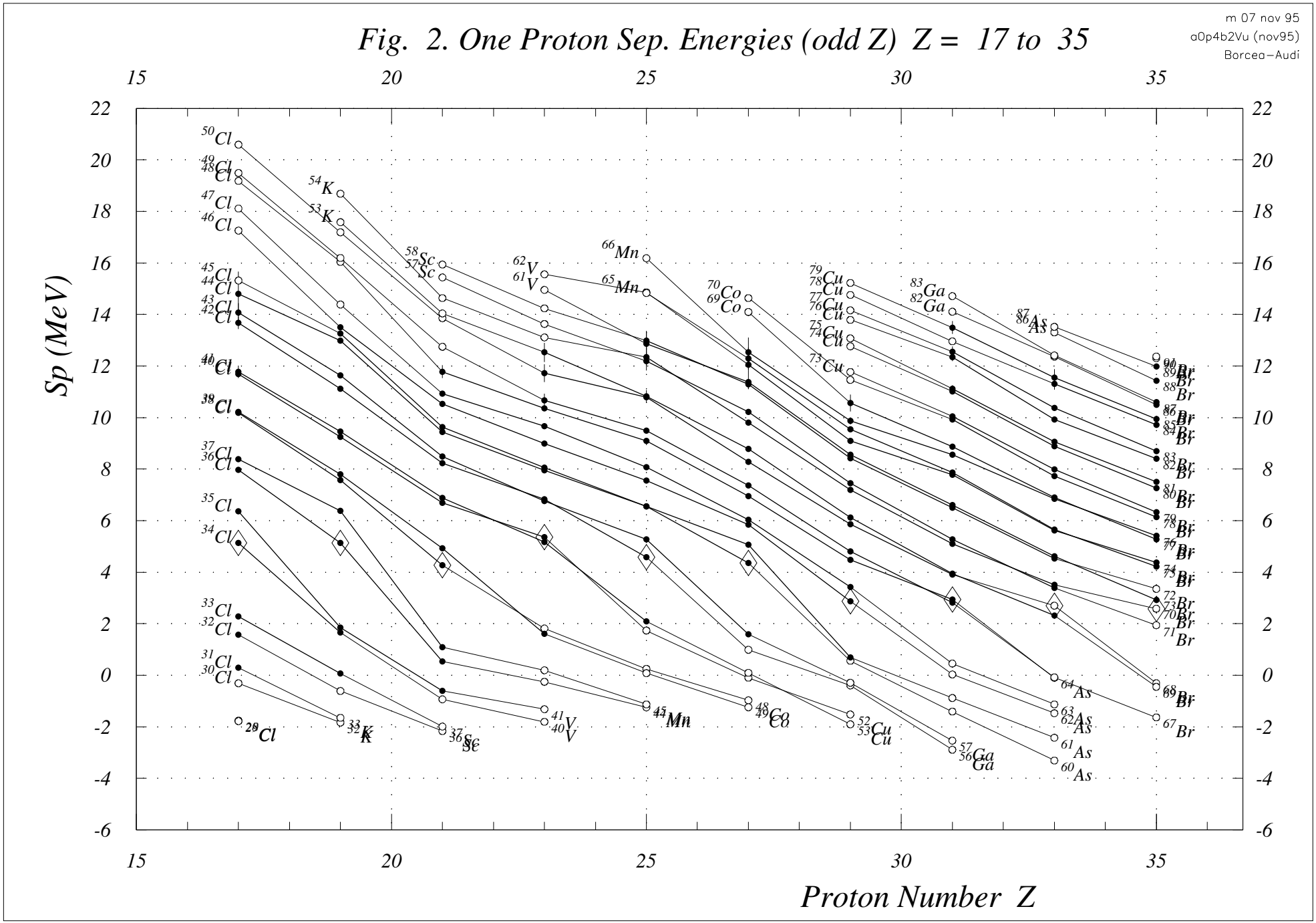
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Fig. 2. One Proton Sep. Energies (odd Z) Z = 17 to 35
Sp (MeV)
Proton Number Z
15
20
25
30
35
22
20
18
16
14
12
10
8
6
4
2
0
-2
-4
-6
50Cl
49Cl
48Cl
47Cl
46Cl
45Cl
44Cl
43Cl
42Cl
41Cl
40Cl
39Cl
38Cl
37Cl
36Cl
35Cl
34Cl
33Cl
32Cl
31Cl
30Cl
29Cl
54K
53K
33K
32K
58Sc
57Sc
37Sc
36Sc
62V
61V
41V
40V
66Mn
65Mn
45Mn
44Mn
70Co
69Co
48Co
49Co
79Cu
78Cu
77Cu
76Cu
75Cu
74Cu
73Cu
52Cu
53Cu
83Ga
82Ga
57Ga
56Ga
87As
86As
64As
63As
62As
61As
60As
91Br
90Br
89Br
88Br
87Br
86Br
85Br
84Br
83Br
82Br
81Br
80Br
79Br
78Br
77Br
76Br
75Br
74Br
73Br
72Br
71Br
70Br
69Br
68Br
67Br

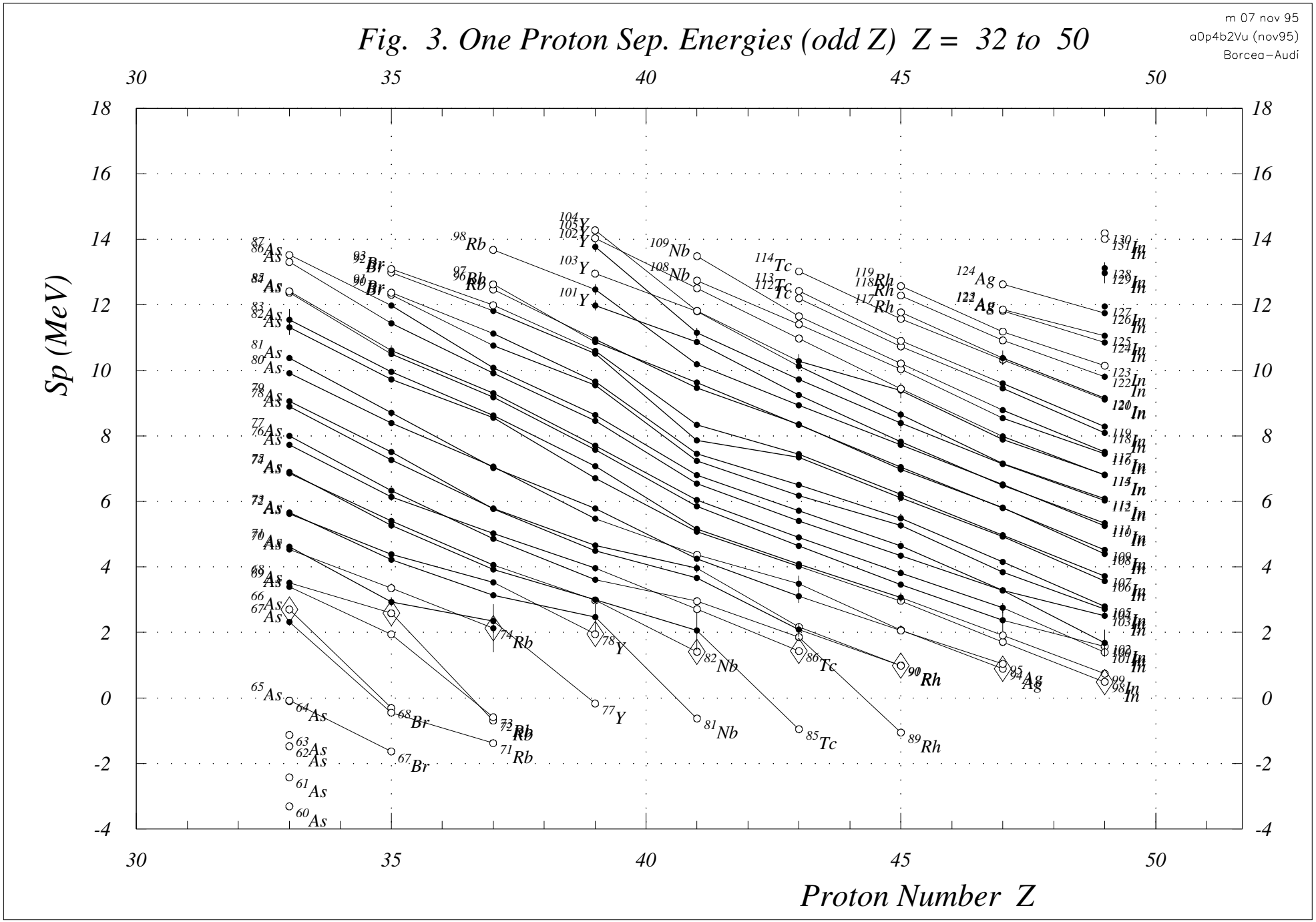
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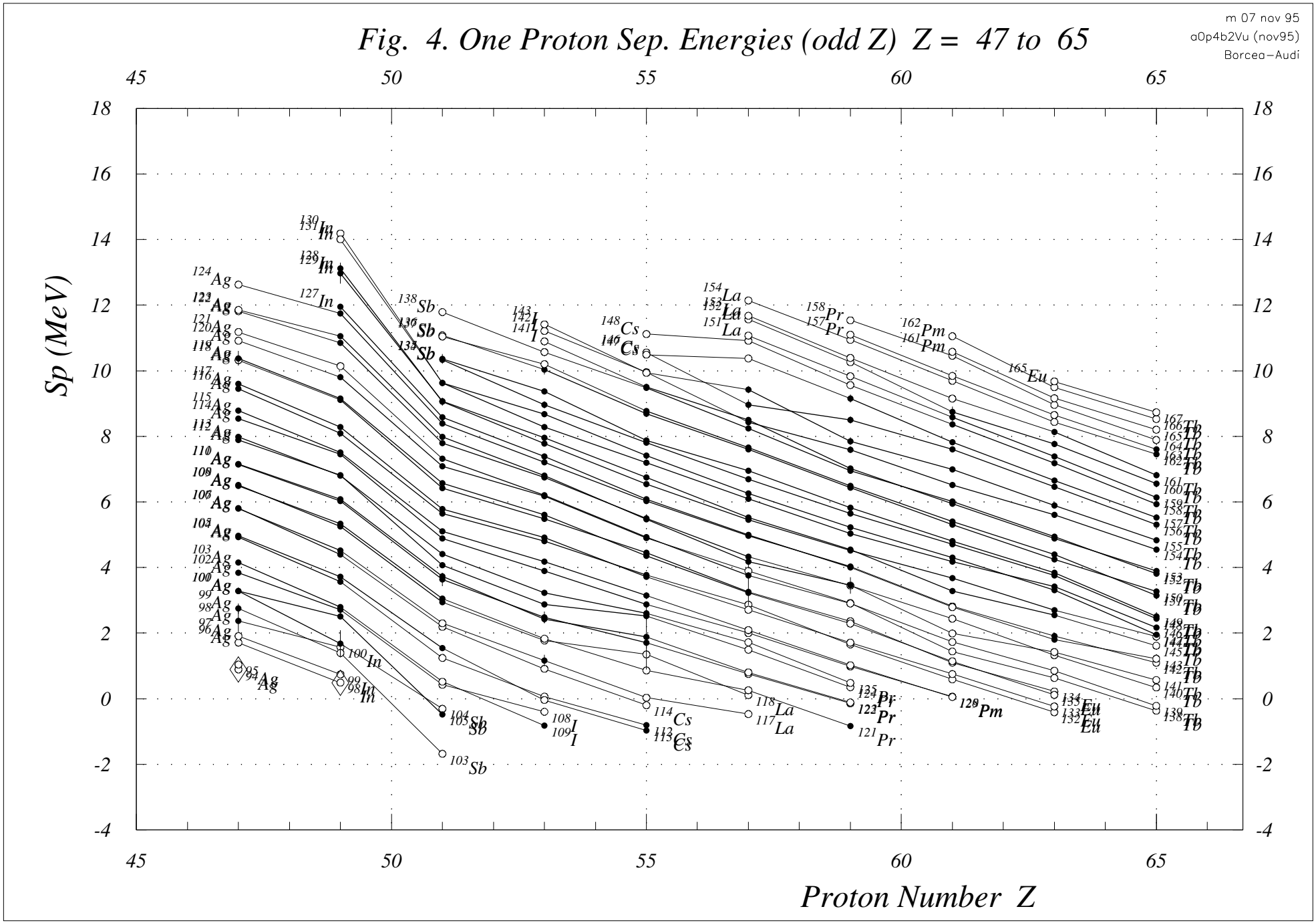
Fig. 3. One Proton Sep. Energies (odd Z) Z = 32 to 50
Sp (MeV)
Proton Number Z
30
35
40
45
50
18
16
14
12
10
8
6
4
2
0
-2
-4
65As
64As
63As
62As
61As
60As
68Br
67Br
74Rb
73Rb
72Rb
71Rb
98Rb
77Y
78Y
104Y
105Y
102Y
103Y
101Y
109Nb
108Nb
82Nb
81Nb
114Tc
113Tc
112Tc
86Tc
85Tc
119Rh
118Rh
117Rh
90Rh
89Rh
124Ag
123Ag
95Ag
94Ag
130In
131In
129In
127In
126In
125In
124In
123In
122In
120In
118In
116In
115In
113In
110In
109In
108In
107In
106In
105In
103In
102In
101In
99In
98In


m 07 nov 95
a0p4b2Vu (nov95)
Borcea–Audi
Fig. 4. One Proton Sep. Energies (odd Z) Z = 47 to 65
Sp (MeV)
Proton Number Z
45
50
55
60
65
18
16
14
12
10
8
6
4
2
0
-2
-4