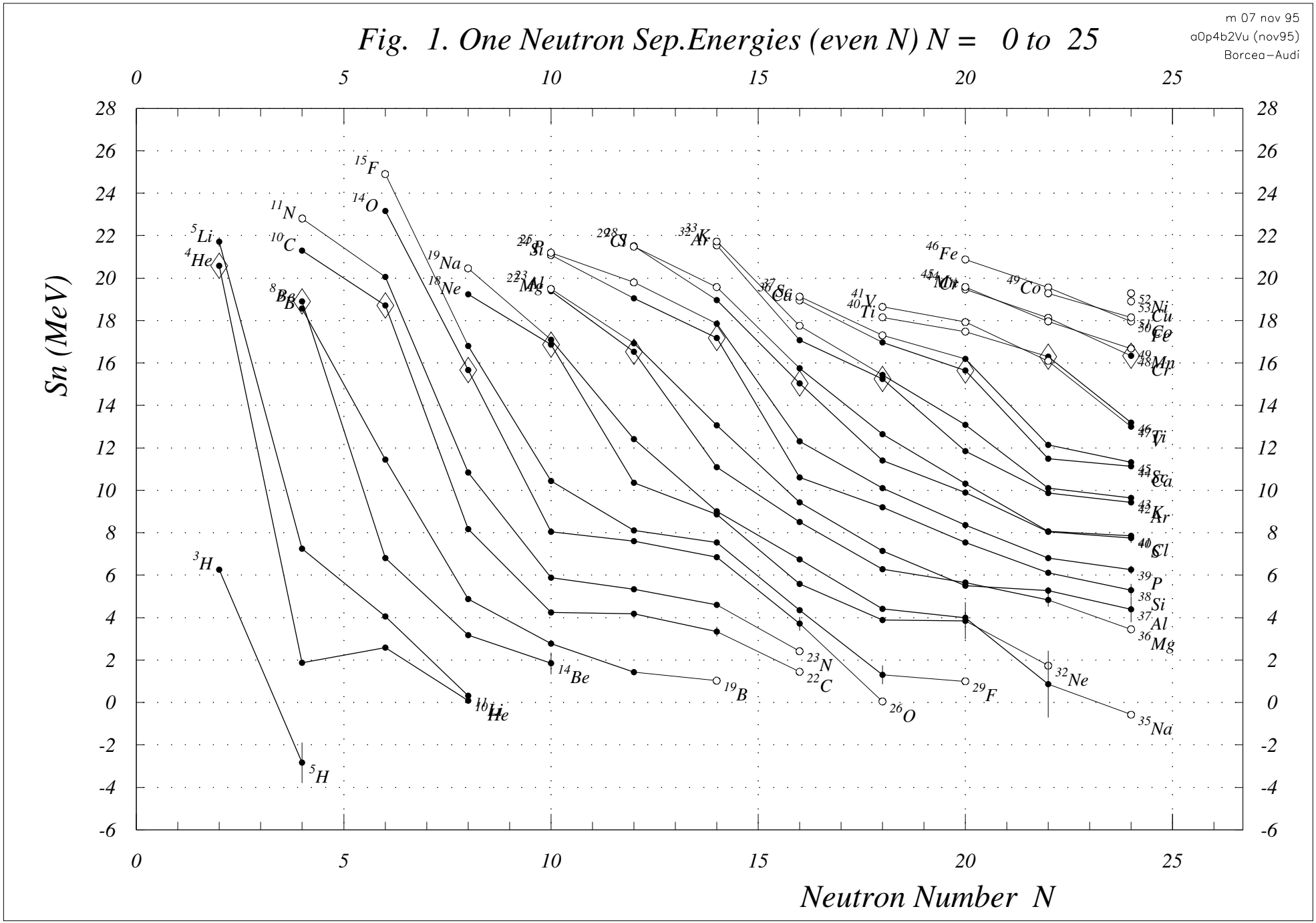
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Fig. 1. One Neutron Sep.Energies (even N) N = 0 to 25
Sn (MeV)
Neutron Number N
0
5
10
15
20
25
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
-2
-4
-6
5Li
4He
3H
5H
11N
10C
8B
8Be
15F
14O
19Na
18Ne
25P
24Si
29S
28Si
33K
32Ar
37Sc
36Ca
41V
40Ti
45Mn
44Cr
46Fe
49Co
52Ni
53Ni
51Cu
50Fe
49Mn
48Cr
47Ti
46V
45Sc
44Ca
43K
42Ar
40Cl
39P
38Si
37Al
36Mg
35Na
32Ne
29F
26O
23N
22C
19B
14Be
11Li
10He

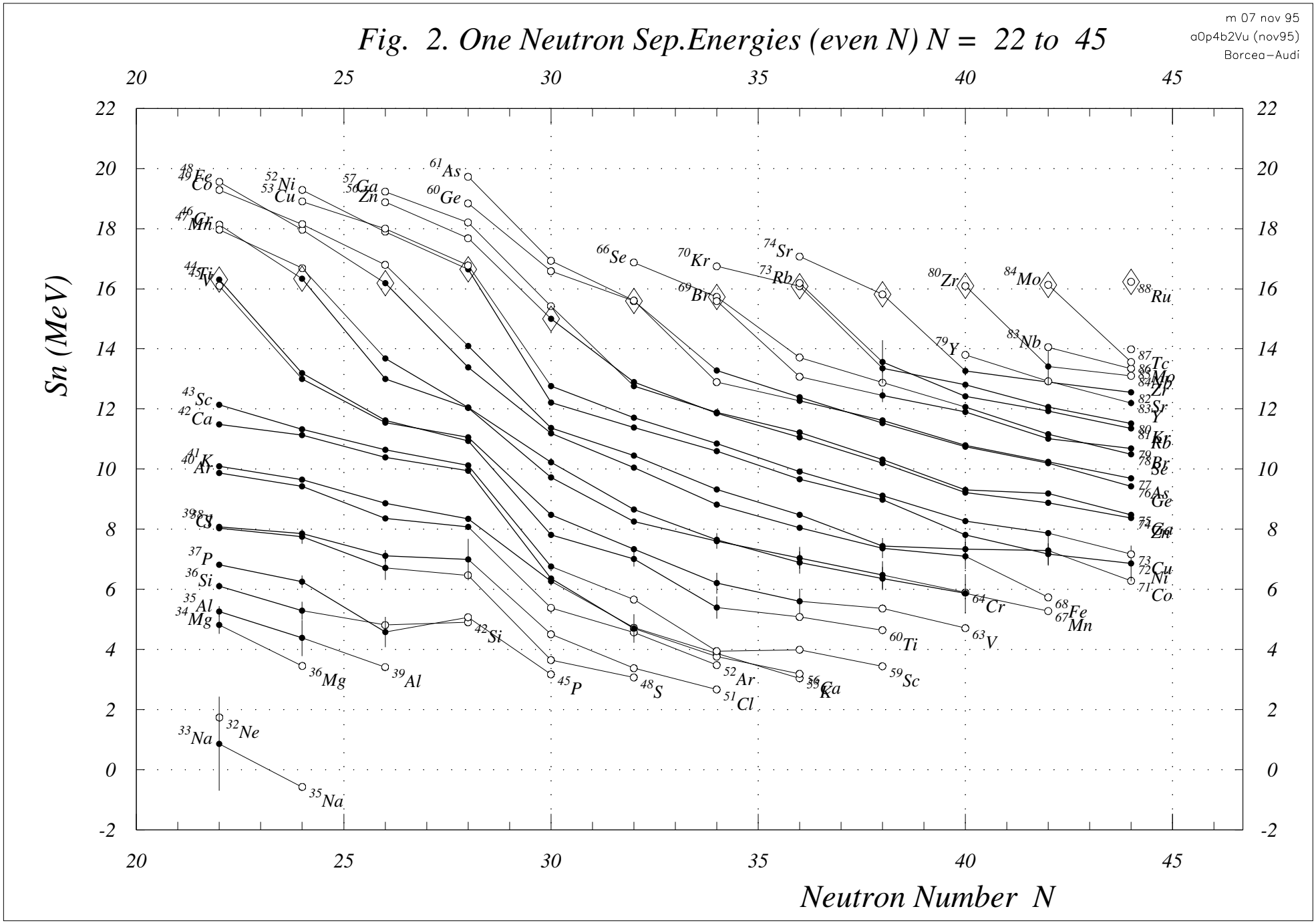
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Fig. 2. One Neutron Sep.Energies (even N) N = 22 to 45
Sn (MeV)
Neutron Number N
20
25
30
35
40
45
22
20
18
16
14
12
10
8
6
4
2
0
-2
48Fe
49Co
52Ni
53Cu
57Ga
56Zn
61As
60Ge
66Se
70Kr
69Br
74Sr
73Rb
80Zr
79Y
84Mo
83Nb
88Ru
87Tc
86Mo
85Nb
84Zr
82Sr
83Y
80Kr
81Rb
79Br
78Se
77As
76Ge
75Ga
74Zn
73Cu
72Ni
71Co
68Fe
67Mn
64Cr
63V
60Ti
59Sc
56Ca
55K
52Ar
51Cl
48S
45P
42Si
39Al
36Mg
47Cr
46Mn
44Ti
45V
43Sc
42Ca
41K
40Ar
39Cl
38S
37P
36Si
35Al
34Mg
33Na
32Ne
35Na

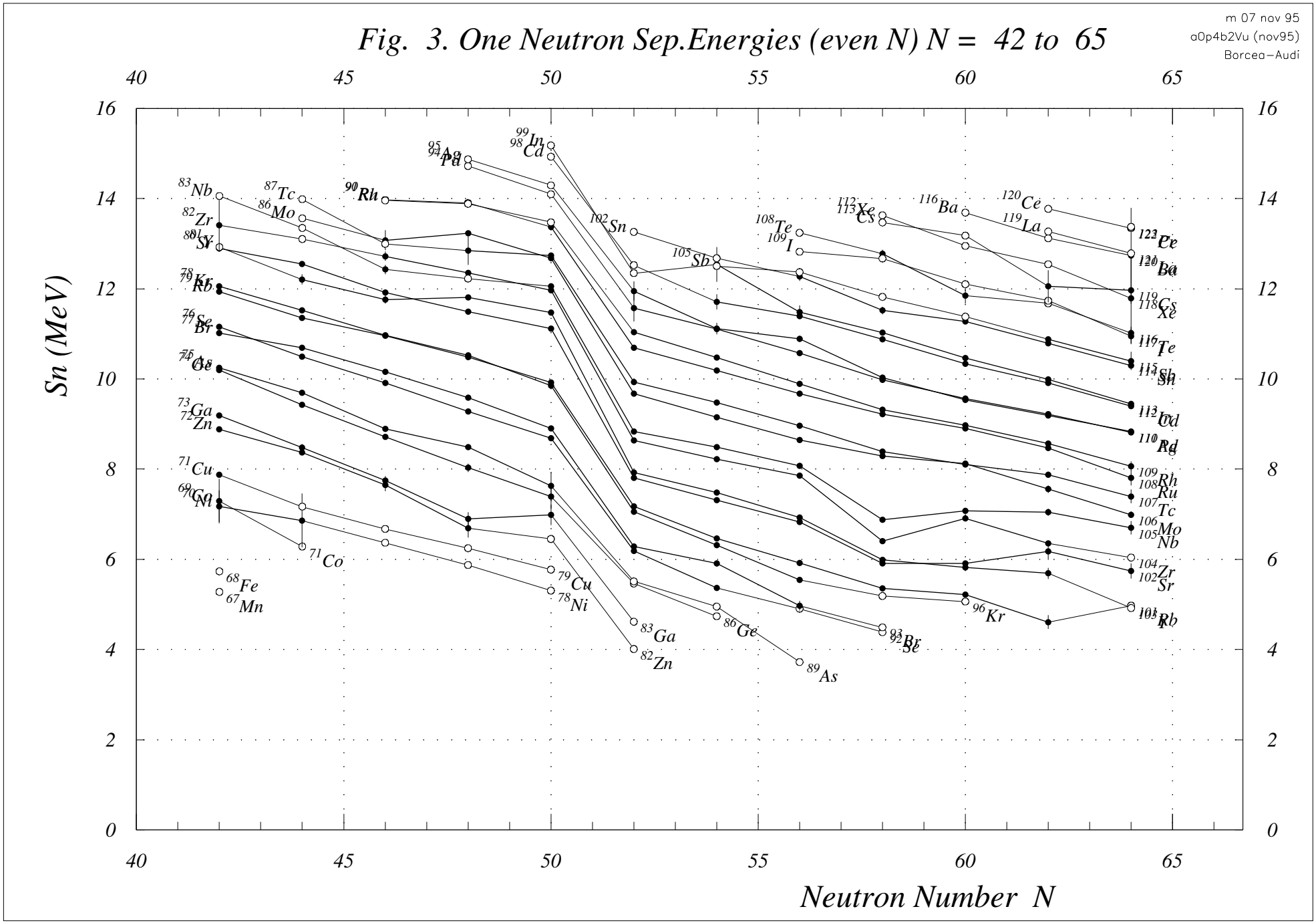
Fig. 3. One Neutron Sep.Energies (even N) N = 42 to 65
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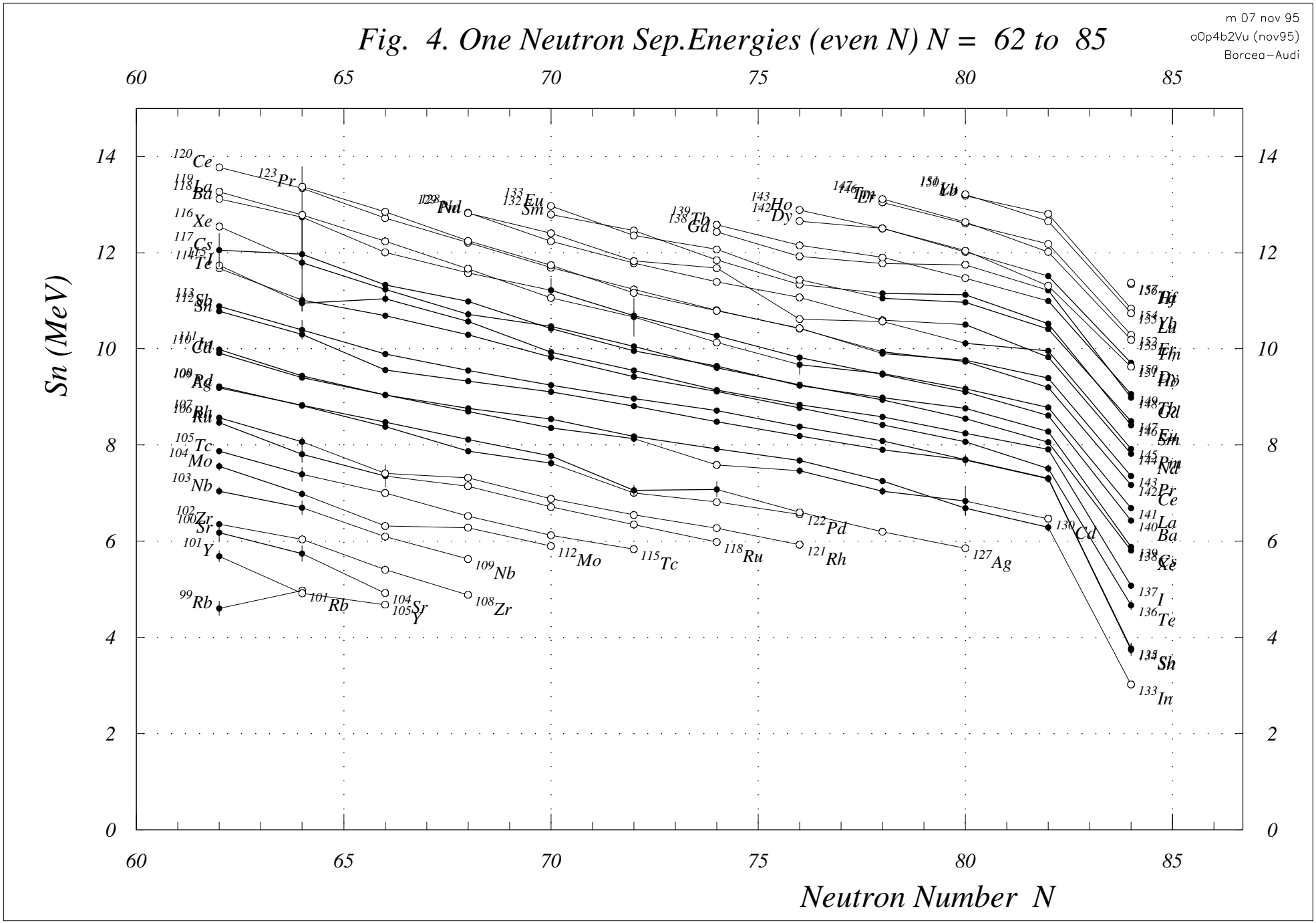
Sn (MeV)
Neutron Number N
40
45
50
55
60
65
0
2
4
6
8
10
12
14
16
83Nb
82Zr
87Tc
86Mo
90Rh
95Ag
94Pd
99In
98Cd
102Sn
105Sb
108Te
109I
112Xe
113Cs
116Ba
120Ce
119La
68Fe
67Mn
71Co
79Cu
78Ni
83Ga
82Zn
86Ge
89As
96Kr
93Br
92Se
109Rh
108Ru
107Tc
106Mo
105Nb
104Zr
102Sr


m 07 nov 95
a0p4b2Vu (nov95)
Borcea–Audi
Fig. 4. One Neutron Sep.Energies (even N) N = 62 to 85
Sn (MeV)
Neutron Number N
60
65
70
75
80
85
0
2
4
6
8
10
12
14
120Ce
118La
118Ba
116Xe
117Cs
114I
114Te
113Sb
112Sn
111In
110Cd
109Ag
109Pd
107Rh
106Ru
105Tc
104Mo
103Nb
102Zr
100Sr
101Y
99Rb
123Pr
101Rb
104Sr
105Y
109Nb
108Zr
128Nd
133Eu
132Sm
112Mo
115Tc
118Ru
121Rh
139Tb
138Gd
143Ho
142Dy
122Pd
147Tm
146Er
150Yb
150Lb
127Ag
130Cd
133In
133Sb
137I
136Te
138Xe
140Ba
141La
142Ce
143Pr
144Nd
145Pm
146Sm
147Eu
148Gd
149Tb
150Dy
151Ho
153Er
154Tm
155Yb
156Lu
157Hf