

Miklós++ version 70th

(subversion 13th)

G.G. Barnaföldi

Wigner RCP of the Hungarian Academy of Sciences



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Collaborations with a Miklós





A brief history from my side..

- 1996-1997 BSc: I made a “national student research” with Peter Lévai on finding “tetraquarks” in high-energy heavy ion collisions at SPS & RHIC
- 1998-2000 MSc: with P. Lévai & G. Papp & G. Fai, to build a 1+2 D parton model based pQCD code, the later “kTpQCD” code
- 2000- PhD: Investigation of initial & final state nuclear effects in the framework of the NLO version of the kTpQCD_v2.0 → works with Miklós
- 2015- HIJING++ in collaboration with the Miklós++ & Xin-Nian

The era of “++”

2015- from HIJING to HIJING++

- We could see the limitation of the HIJING during these studies. So I tried to convince Xin-Nian & Miklós to start a new project with updating HIJING
- They all supported the idea, but noted this will be a long journey in a big mess...
→ Certainly we are equipped with all the features for this



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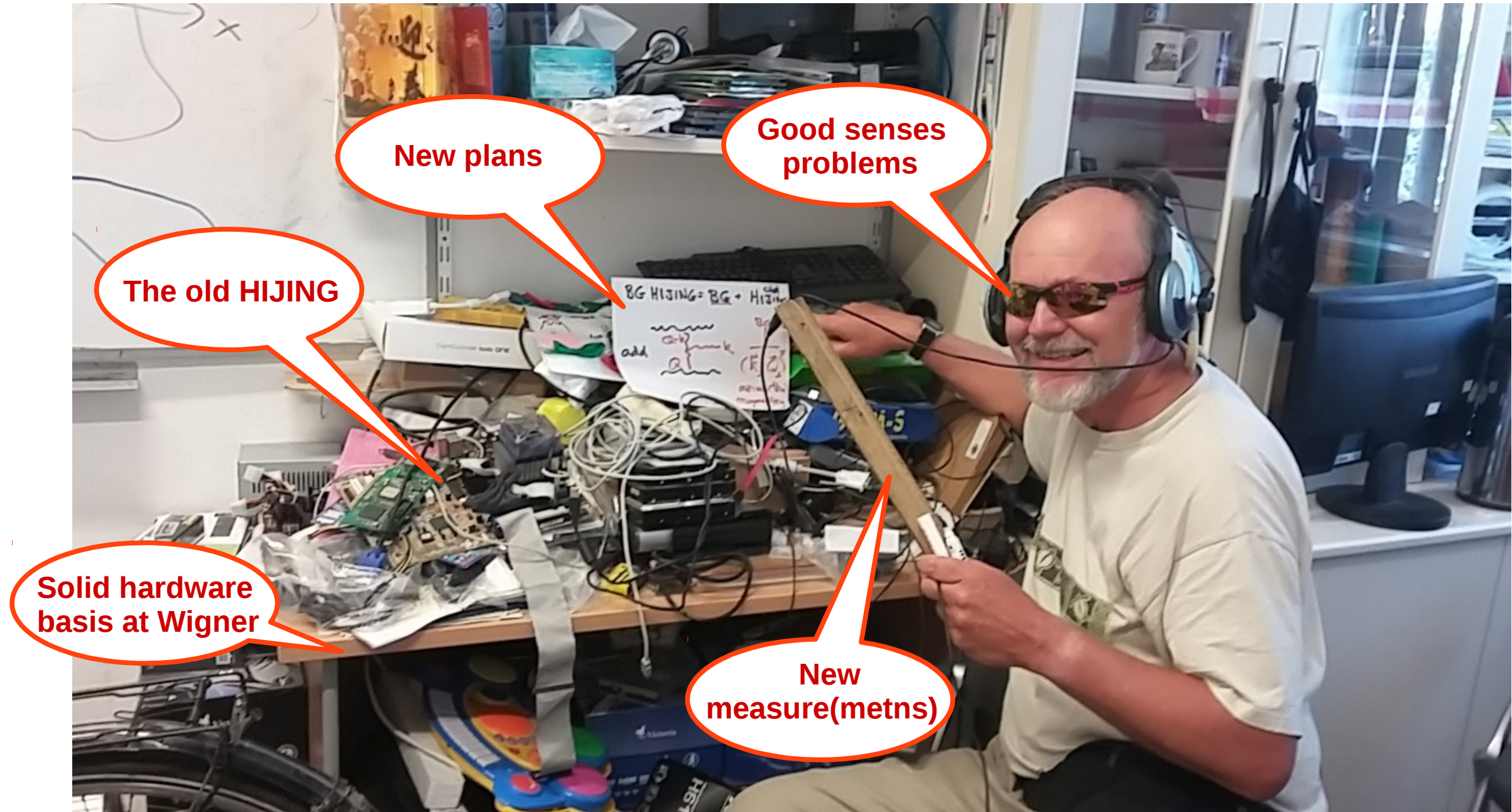
The old HIJING

Solid hardware basis at Wigner

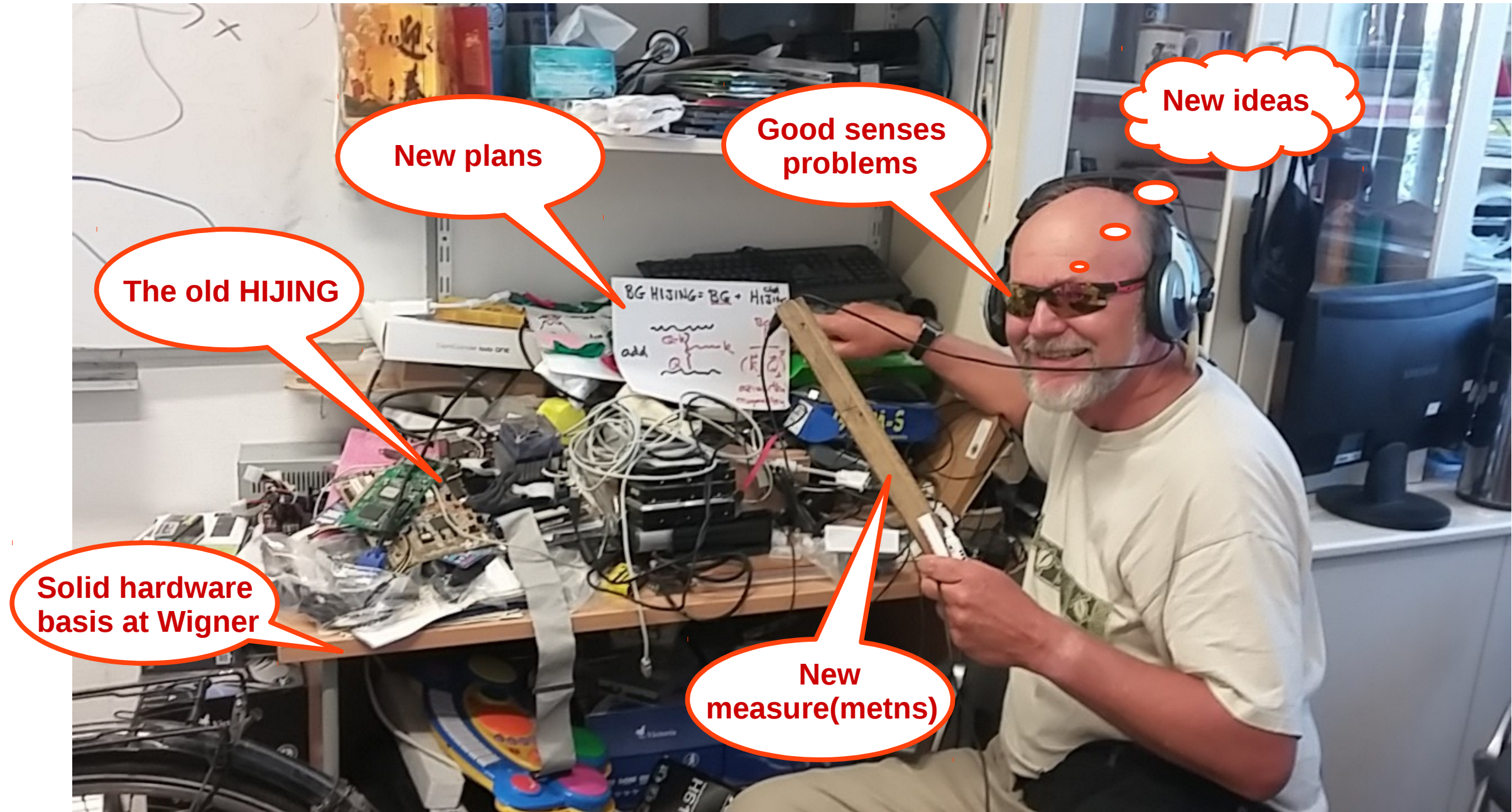


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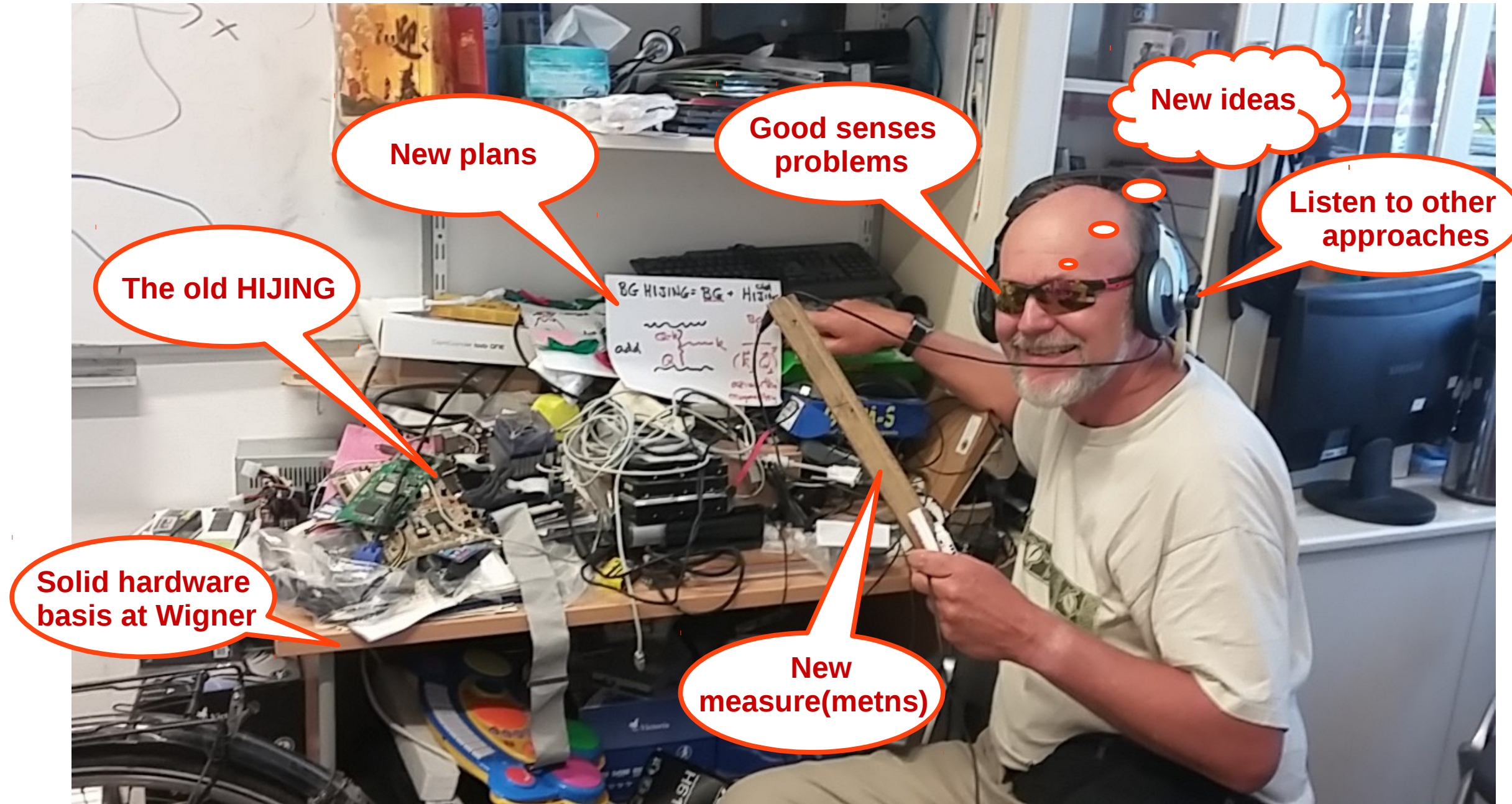




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New plans

Good senses problems

New ideas

Listen to other approaches

The old HIJING

Solid hardware basis at Wigner

New measure(metns)



New plans

Good senses
problems

New ideas

Listen to other
approaches

Solid
background

The old HIJING

New
measure(metns)

Solid hardware
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2015- from HIJING to HIJING++

- We could see the limitation of the HIJING during these studies. So I tried to convince Xin-Nian & Miklós to start a new project with updating HIJING
- They all supported the idea, but noted this will be a long journey...
- In January 2015 three of us, G. Papp, Sz. Harangozó & me, were at Berkeley with Xin-Nian and Miklós for a week. We made the update plan and in a week we had a 2x faster FORTRAN version → both of them were convinced
- By this time, we have a working semi-parallel, including Gábor Bíró and Bálint Csurgai-Horváth, modular C++ version of HIJING, called HIJING++ → soon to be published and make publicly available for the future.

→ Stay tuned on this, the live part of the story to be continued even tomorrow....

So..., Miklós, finally I wish a lot of



An early evidence for the connection between Miklós and the “++” - from Bari!



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...and Happy 70th or 13th Birthday!

