



FIRST general meeting - 2 may 2013 Rome  
Vincenzo Patera

# Organization/future/opportunities..

Second data taking perspectives depend upon different conditions:

1. Interest of the collaboration and/or of other groups.
2. Funding availability
3. Beam availability
4. Detector availability

I will take for granted 1. but the other condition are not trivials.

# Organization/future/opportunities..

As personal statement I think that:

No official request of beam time/funding for a next step can be done until we are in the condition to present a result on single differential cross section that can be published.

In other word before asking about the next step, we must demonstrate to have been able to extract the target measurements, in spite of the failure of one of the main component of the setup, maybe with less accuracy and longer time

## INFN funding

6 month ago: not changed

The FIRST activity is under scrutiny of our referees, for the renewal of the old TPS experiment (not approved). The lack of physics results has been negatively considered, in particular in comparison with a sizeable investment by INFN for hardware, man-power and mission funding

We have been asked to produce any possible results (plot, distribution, figure, whatever..) within march, that witnesses the analysis activity of the group. Subdetector studies/ efficiencies/acceptance are not considered physics results

No money of any kind will be given, nor new activities will be endorsed, without the production of these results.

In summary, according to INFN management, the focus of the activity should be the analysis of the taken



## Gsi situation

We have been asked to clear all the Hall B from our equipment.

We have been asked to pay 1800 euro/year to store somewhere the MUSIC, if we want to maintain it as part of our setup. Decision must be taken now!

If the MUSIC will be discarded, maybe we should manage to keep the DAQ connected with the detector, at least as spare part for the rest of the setup

The TOFWALL will be taken care by A LeFebvre. Will continue to be a part of the setup



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#### Experimental Area in CAVE B

Dear colleagues,

*lieber Radek,*

As you may have heard already CAVE B will be cleared and reconstructed for a new type of accelerator. Hence, we ask you to remove your experimental equipment out of CAVE B until the end of April 2013.

Sincerely yours,

*Horst*

Horst Stöcker

*Sehr bedauerndes Vorwissen formuliert - so ist es aber nicht  
gemeint. Die Idee ist, FIRST in der Gleich-  
case zum Einsatz zu bringen.*

*Bitte stimme Dir doch  
mit Gertie Walcker ab.  
benötigen Support-Infra-  
struktur ab. Danke für  
Euer Verständnis.*

*cc: Gertie Walcker, K. Langanke, F. Herfurth*

06. March 2013

Geschäftsführung:  
Prof. Dr. Dr. h.c. mult. Horst Stöcker  
Peter Hassenbach

Vorsitzende des Aufsichtsrates:  
Dr. Beatrix Vierkorn-Rudolph  
Stellvertreter:  
Ministerialdirigent Dr. Rolf Bernhardt

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# News from Stocker

# News from Stocker

Dear colleagues, *Lieber Radek,*

As you may have heard already CAVE B will be cleared and reconstructed for a new type of accelerator. Hence, we ask you to remove your experimental equipment out of CAVE B until the end of April 2013.

*So hat das Yvonne formuliert - so ist es aber nicht gemeint. Die Idee ist, FIRST in der GLAD-Cave zum Einsatz zu bringen.*

Sincerely yours,

Dear Radek, so it was phrased by Yvonne (rp: Leifels - scientific secretary of the GSI management) - but the meaning is different. The idea is to bring the FIRST experiment in GLAD cave (rp: means cave C equipped with the new R3B GLAD dipole). Please, contact Gertie Walter in order to clarify about necessary support infrastructure. Thanks for your understanding! (rp: means the whole collaboration) cc sent to: Gertie Walter ("Gertie"=Gertrude, head of technical infrastructure), K. Langange (scientific director), F. Herfurth (technical coordinator of the target experimental hall)

# Radek report(I)

## FUTURE EXPERIMENT (2014)

Stöcker told me in very clear way we can perform future FIRST experiments in cave C. Either still with the old good ALADiN or with the new super-conducting GLAD magnet (R3B collaboration). I informed Haik Simon about our plans concerning cave C and it's quite ok for him! (a very good news!) The next two blocks of the beam time at GSI are planned for the 1. and 2. quarter of 2014 and this is exactly the time when the GLAD should come to GSI and to be installed in cave C (bad coincidence for us). On the other hand there're some problems with the cooling system of the new magnet and the delivery and installation could be significantly delayed! (Sylvie knows probably state-of-the-art of thing).



# Radek report(II)

## FUTURE EXPERIMENT (2015)

After the GLAD will be installed in cave C, the cave will be elongated and the FOPI magnet will be installed in the rear part of it. After that all future experiments - also including our FIRST - can take place there. As you probably anticipate there's not any beam time planning for the period from 2015 and the beam time should be very seldom.

## Some sparse considerations..

- If the GSI give us the opportunity to have beam again we could be in a good shape ( after paper publication ) because:
- Well known setup
- Well tested reconstruction and MC
- Improved setup: FINUDA chambers are already working and could be tested at LNS before next GSI run
- Very well trained group

## Some sparse considerations..

If the GSI give us no beam

No way out, in my opinion, table-top experiment, brand new, to be performed at HIT or CNAO could be the only viable solution....

Suggestion/comments are welcome