

FH Retreat Follow-up

Introduction to the meeting

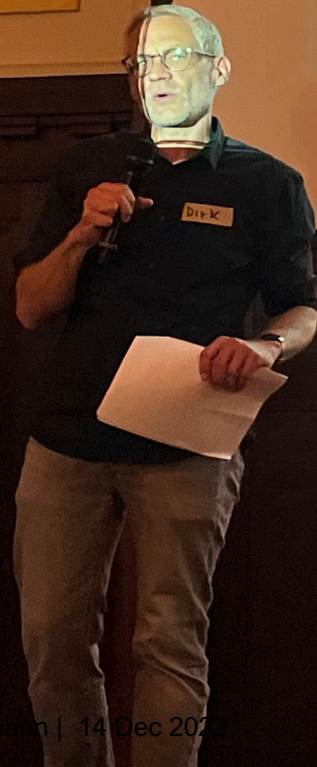
Beate Heinemann
14 December 2022

HELMHOLTZ



General Setup and Moderation

1. Third Party Funding
2. Scientific Computing
3. Detector Development
4. Seminar Programme
5. Future Flavour Experiments
6. Gravitational Waves
7. Feebly Interacting Particles
8. Sustainability Forum





1:00 PM → 2:45 PM **Beginning**



1:00 PM **Registration**

⌚ 30m

1:30 PM **Welcome and introduction**

⌚ 30m

Speaker: Beate Heinemann (DESY and University of Freiburg (Germany))

2:00 PM **Warm-up and exchange session**

⌚ 45m

2:45 PM → 4:30 PM **Collaborative work on "HEP topical islands"**



At around 15 "topical islands" varying crowds of people will freely discuss pre-defined scientific, technical and work-related topics. The results will be collected and used as a source of ideas for further discussions.

- How can we foster technology transfer and make our knowledge available?
- What's the impact of our work on society?
- How can we better communicate own achievements and more visibility?
- Improving collaboration and synergies with other departments?
- Improving communication and collaboration within our own department?
- Highs & lows at DESY?
- Gossip area: What's the talk behind the scenes?
- Weather report - the current state of the FH department?
- Some thoughts about recruitment & new talents?
- What's the next step in future colliders?
- Explore potential cost savings?
- How to create a perfect working environment?

4:30 PM → 5:30 PM **Outlook on day 2 and closing words**

5:30 PM → 8:00 PM **Get-together, drinks and finger food**



9:00 AM → 9:30 AM **Welcome and introduction day 2**



9:30 AM → 12:30 PM **Task forces**



The task forces (see below) will present their discussion status using posters in individual breakout rooms in person and invite feedback. The discussions will be summarised in the plenary.
The task forces are: seminar programme, sustainability, flavour opportunities, scientific computing, feebly interacting particles, third-party funding, detector development, and on-site gravitational wave experiments.

9:30 AM **Task forces: breakout workshop (I)**

⌚ 1h

10:30 AM **Task forces: breakout workshop (II)**

⌚ 1h

11:30 AM **Task forces: plenary wrap-up session**

⌚ 1h

12:30 PM → 2:15 PM

Lunch break - self-catering and Walk&Talk session through the "Grindelviertel"

⌚ 1h 45m

2:15 PM → 4:30 PM **Bottom-up topics**



Parallel breakouts around topics suggested by participants (e.g. new topics or further in-depth discussion of topics from earlier sessions).

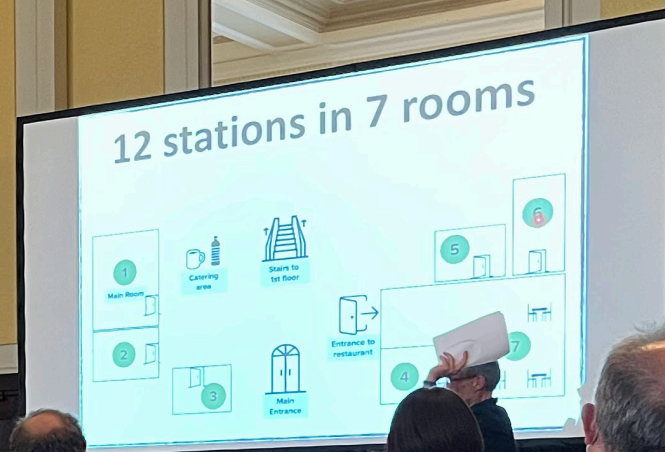
4:30 PM → 5:00 PM **Closing and outro**



General Setup and Moderation



Topical Islands



- How can we foster technology transfer and make our knowledge available for third parties within our ecosystem?
- What's the impact of our work on society?
- How can we better communicate own achievements and more visibility internally?
- Improving collaboration and synergies with other departments?
- Improving communication and collaboration within our own department?
- Highs & lows at DESY?
- Gossip area: What's the talk behind the scenes?
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- Some thoughts about recruitment & new talents?
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Topical Islands

No, I am quite ok with the things I am doing right now.

Not changed
Yes and
No, I am quite ok with the things I am doing right now.

Yes, things can be better, and I have a lot of ideas for improvement.

Free to
have a note
with your suggestion
for improvement?

No, I would not consider it a privilege, to me it's rather normal and nothing special.

I would love to do something very different for a while.

There are a lot of things to improve in the FH division and at DESY in general.

It's a great privilege that we can do research on fundamental particles and forces.

Yes, doing something totally different would be great.

Not changed
Yes and
No, I am quite ok with the things I am doing right now.

No, I think everything is good the way it is.

yes, I totally agree, it is a privilege and something very special.

Topical Islands

I am very worried and rather sceptic

PEOPLE ALREADY
CONSIDER DESY
AS NOT THE
BEST OPTION

... do less projects, but bigger ones

Yes, I totally agree with that!

When I think about the future of HEP in general and specifically at DESY ...

When it comes to project work, I think we should

Do less projects
no matter what
size. But
focus on them

The most important future project is a Higgs factory.

I feel quite optimistic and positive

... do more projects, but smaller ones

No, definitely not, there are other projects which are more important

Task Forces

1. Third Party Funding
2. Scientific Computing
3. Detector Development
4. Seminar Programme
5. Future Flavour Experiments
6. Gravitational Waves
7. Feebly Interacting Particles
8. Sustainability Forum

Task Forces



Task Forces

Very active since retreat

indico

Public

Home

Create event

My profile

Home » DESY » FH » Task forces, working groups and fora

Task forces, working groups and fora

Enter your search term

Create event

Seminar programme task force	11 events	
Scientific computing task force	13 events	
Flavour opportunities task force	3 events	
Sustainability working group	7 events	
Third party funding task force	empty	
Detector R&D working group	empty	
Local experiments task force	empty	
Strategy group	3 events	
Feebly interaction particles task force	10 events	
Early career scientists board	7 events	
Outreach task force	empty	
Library commission	1 event	

Task Force Scientific Computing in FH

Final report

F.Gaede, Ch.Wissing, D. South, J. Reuter, F.Schluenzen, A.M.Maier, F. Meloni, K.Borras, J.Katzy, S.Schaefer, K.Schwarz

Dec 7, 2022

Introduction

This is the final report of the task force on Scientific Computing in FH, established in 2022. It presents the charge of the task force, the findings and some final recommendations or suggestions.

Members of Task Force

The task force was formed from scientific computing experts from all scientific groups in FH, providing a broad basis for addressing the charge:

- Frank Gaede (FTX/future collider, chair)
- Christoph Wissing (CMS, co-chair)
- David South (ATLAS)
- Jürgen Reuter (TH)
- Frank Schluenzen (IT)
- Andreas Martin Maier (Z.ZPPT)
- Federico Meloni (ATLAS/LUXE)
- Kerstin Borras (CMS/QC)
- Judith Katzy (ATLAS/Helmholtz-AI)
- Stefan Schaefer (NIC)
- Kilian Schwarz (IT)

Task Force Charge

The task force should assess the role and activities of scientific computing related to HEP within FH and make suggestions on how to further develop this important area within FH in order to better position DESY by increasing its visibility in the wider HEP community and strengthen DESY's role as research hub for the German universities in preparation for experiments at the HL-LHC and at future colliders. Important aspects of scientific computing to be discussed include algorithmic developments, research software developments, data management, and novel technologies such as artificial intelligence, machine learning and quantum computing, thereby putting a focus on identification of potential synergy effects.

In the first meeting the task force has identified additional topics of interest, like shaping of the global HEP/research computing infrastructure, career opportunities for young researchers or aspects of sustainability of computing.

Bar Camps

Present

- ☐ noone has to present a
- ☐ but those that have on
- come to the stage, grab a pen and write down
- ☐ title
- ☐ question to be dis (no 1-word-stater
- name
- those with a sessio
- suggestion quick



Bar Camps

Jenny
How can FH
Shape the
future collider?

Kirsten/Martin
What tools do we
need for research
+ publications
(library) (publishers)...

Topics for
Barcamp
Session

Thomas
Get a deeper
understanding of
what is meant by
"I would like to do
sth. different"

Andrea/Nils
What are the ideas, needs
and perspectives of young
scientists – and what
can others learn from it?

(Reverse) bi-directional
Mentoring Learning

Ingrid
What is behind all
the dots on "improvement"
and which concrete
ideas for improvement
do you have in mind?

Bar Camps



DEF: ...

Zeit ...

DEF: ...

Zeit ...

OVERLAP

Handwritten notes on pink sticky notes

Handwritten notes on pink sticky notes

LICENCES

Handwritten notes on orange sticky notes

Handwritten notes on pink sticky notes

Handwritten notes on orange sticky notes

What is next?

Programme of today and beyond

- **Biggest theme at retreat was (lack of) communication**
 - Horizontal groups (and task forces), revival of seminar programme, having a retreat annually, ... address this
 - No magic bullets: need many smallish ideas and will take some time to get better
- **Today we will have eight talks**
 - Six task forces, future collider group and sustainability forum
 - Will have mentimeter polls, coffee break and glühwein at the end
- **Several more ideas on future activities/task forces e.g. on**
 - Graduate student recruitment and education
 - STEM activities for kids at KITA and schools
 - Technology and innovation in HEP
 - Alumni programme
 - ...
- **Will have a retreat regularly**

Contact

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Backup