

Minutes, LW/GL Meeting 10 February 2023

1) POF V preparations

- Programme structure: Structure of MU-MT-MML in research field Matter seems to be undebated
- MU spokespersons: Ralph Engels (KIT), Beate Heinemann
- Change in FPF (Fundamental Particles and Forces) spokespersons: Isabell Melzer-Pellmann and Kai Schmidt-Hoberg (deputy) take over from Georg Weiglein and Priscilla Pani
- Discussion of new subtopic structure in FPF in FH Strategy Group.

2) DESY strategy loop / Woodstock

- The DESY strategy update will soon be finalised and announced on July 10 in a DESY all-hands meeting
- Woodstock meeting in Hafencity on 16/17 February 2023
 - Goals:
 - inform about the current thinking of the directorate
 - Collect feedback
 - Large focus on PETRA IV on day 1
 - Topical discussions on computing / quantum technologies

3) Wolfgang Pauli Center

- Infrastructure is in general a struggle
- 150 MEUR new money to improve the campus
- Projects:
 - DESYUM (27 MEUR) ongoing
 - 50 MEUR into refurbishments / renovation
 - 20 MEUR SDMC (CTA Science and Data Management Centre in Zeuthen): ongoing
- Other new buildings planned
 - Technikum (cancelled)
 - CAST for accelerators
 - WPC “cancelled”, but will be replaced by the the Reemtsma building next to CHYN
 - City of Hamburg has bought the building and still pledges the money originally promised for the WPC, but details unclear.
 - Not yet clear that the building can be made suitable for the theory group, but optimistic outlook
 - Plus side: we should get back some space which was cut before
 - Minus side: Theory will be cut from experimental colleagues in building 1. Challenge – need to maintain close connection.
 - Logistics building (cancelled)

4) Onsite Program

- Undisputed at fundamental level

5) Test beam facility status

- Challenged by PETRA IV planning which brings transition from DESY II to DESY IV
 - Current design of DESY IV is not supporting test beam
 - Adaptation of design is needed to ensure continuing test beam

6) BabyIAXO

- Full design including magnet is critical – CDR in 2023
- At the earliest magnet could be on site by 2028: start of PoF V

7) MADMAX

- Magnet is critical item, requires large involvement from MPG
- Idea to go for a prototype magnet ("MADMAXINO") which could start the project earlier
- Most optimistic timescale: end of the decade

8) LUXE

- CD1 approval has been reached
- Goal would be to start operating in 2027
- Funding still needs to be secured
- First major investment has started

9) High-frequency gravitational Waves

- SCRF cavity studies ongoing; interest from Fermilab
- Levitated sensor R&D started, DFG proposal in preparation
- Third option is to use ALPS infrastructure for HF GW experiment

10) Third-party funding

- Third part funding reached a record in FH in 2022: 4.8 Mio EUR