

Funding related news

Beate Heinemann

DESY and Albert-Ludwigs-Universität Freiburg

LUXE meeting, October 18th 2018

Overview

- DESY:
 - So far we had funding from DESY strategy fund: 200K Euro
- Helmholtz:
 - We recently submitted application to Helmholtz Innovation Pool for Laser developments ("Laser4LUXE")
- German Israeli Fund (GIF)
 - Submitting application for simulation and detector development end of this month
- ERC, XFEL.EU and DESY
 - We had discussions with directorate of European XFEL and DESY about ERC synergy grant
 - We discussed if DESY can commit to paying for Laser building in case we manage to get the rest of the funding (e.g. through ERC)

Helmholtz Innovation Pool: "Laser4LUXE"

- PIs der Helmholtzzentren:
 - Deutsches Elektronen-Synchrotron (DESY, PI: Beate Heinemann)
 - Helmholtz-Zentrum Rossendorf (HZDR, PI: Ulrich Schramm)
 - Helmholtz-Institut Jena (PI: Matt Zepf)
- National and internationale partners:
 - Uni HH (A. Maier), UCL (M. Wing), Uni Freiburg (BH), Uni Jena & Belfast (M. Zepf)
- Three work packages related to laser diagnostic for LUXE:
 - **AP3 (HI Jena):** Development of technique to measure laser pulse shape
 - **AP2 (HZDR):** Development of a high resolution contrast measurement
 - **AP1 (DESY):** Development of novel method for pulse length measurement, development of electron-laser interaction zone design
- A lot of help from Thomas Schörner-Sadenius in preparing application
- News on Tuesday: Positive review by BMBF => funding granted from 1/2019

386K Euro for two years

(+ equal matching contributions from the three Helmholtz centers)

ERC synergy grant

- We explored applying for ERC synergy grant (deadline in early November)
 - 10M€ (+4M€ equipment)
- But seems critical to have letter by EU.XFEL that “LUXE is welcome”
- Discussions with EU.XFEL directorate
 - Not enough time this year to get agreement from Council
 - Will present the LUXE project in relevant committees (MAC, SAC...Council)
 - Talk in Machine Advisory Committee (MAC) on Nov. 7th
 - Hope to get endorsement of EU.XFEL Council next year
- Discussion of DESY directorate
 - Aim to set aside sufficient money to fund building for laser and control room on top of the shaft (not yet fully formalized, will take some time)
- Aim to apply for ERC synergy grant next year
 - Gives time to get the official support we need
 - Gives time to have more preparatory work done

German Israel Fund

- Application by B. Heinemann (DESY) and H. Abramowicz (Tel Aviv)
 - 2 PhD students + 1 postdoc + travel money
- Work: detector design and simulation

Collaboration

- Suggest to invite Matt Zepf and Uli Schramm to our LUXE monthly meetings
 - Any objections?
- Official foundation of collaboration also needed
 - 2-day meeting in February?