

OX/BER/DESY IRTG Meeting

Instrumentation, Methods and Applications

Updates

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Video Conference



Since last meeting in Zeuthen in Dec 19

- German PIs and UK PIs met independently
 - See minutes attached to agenda
- Discussions about UK Funding ongoing -> Todd's update
- HU Material science groups invited to join
- DFG confirmed we can have up to 15 PIs on the German side

Action Items Pending

- **Action:** It was suggested to invite Craig Sawyer from RAL to the Oxford meeting in March. (Cigdem)
- **Action:** Initiate a seminar or lecture series at HU that covers instrumentation, methods and applications. This should be discussed in the professorium. (Heiko)

Cigdem brought up if it would be possible to exchange Master students with Oxford and start working on projects with Oxford PIs. The question of funding came up. Following action items arose:

- **Action:** Contact International Office at HU and ask for advice. (Cigdem)
- **Action:** Investigate DAAD funding for exchange of HU undergraduates with Oxford. (Cigdem)

Action Items

Action a: Todd will try to find out when the next call for CDTs will be. (progress)

Action b: Follow transient astronomy with Rob Fender up (Garret Cotter and David Berge)

Rob is coming to Oxford meeting in March

Action c1: It should be checked if for participating in the PhD Accelerator Physics Course at Oxford fees have to be paid by the outside students, what is the limit in the number of students participating from outside and what has to be foreseen for accommodation and living costs for a 3 month stay (e.g. is there a cheap hostel or residential school (D: Internat) that can be used ?) (Phil? or ???)

Action c2: We should investigate how PITZ and JAI could collaborate on medical applications. (Phil and Frank)

Action Items AP (DB, GC, SW)

- 1. Action: Make a list of methods, instrumentation and laboratory facilities in Astroparticle Physics
- 2. Action: Identify possible collaborations/projects (thesis topics) or training modules across AP in Oxford/DESY and HU
- 3. Action: List possible collaborations/projects (thesis topics) or training modules across AP, PP, QO, Detector R&D and/or Accelerator Science
- 4. Action: Identify possible internship topics that could lead to papers

Action Item PP (JF, TH, CI, TK, SW)

- 5. Action: Make a list of methods, instrumentation and laboratory facilities in Particle Physics
- 6. Action: Identify possible collaborations/projects (thesis topics) or training modules in PP across Oxford, DESY and HU
- 7. Action: List possible collaborations/projects (thesis topics) or training modules between PP and AP, QO and Detector R&D or Accelerator Science
- 8. Action: Identify possible internship topics that could lead to papers

Action Items Accelerators (PB, FS, TK, AJ)

- 9. Action: Make a list of methods, instrumentation and laboratory facilities
- 10. Action: Identify possible collaborations/projects (thesis topics) or training modules in Accelerator Science across Oxford/DESY and HU
- 11. Action: List possible collaborations/projects (thesis topics) or training modules between Accelerator Science and Astroparticle Physics, Particle Physics, Detector R&D and/or Quantum Optics
- 12. Action: Identify possible internship topics that could lead to papers

Action Items QT (AP, HL, CI, ST, IS)

- 13. Action: Make a list of methods, instrumentation and facilities
- 14. Action: Identify possible collaborations/projects (thesis topics) or training modules in Quantum Technologies across Oxford and HU and DESY
- 15. Action: List possible collaborations/projects (thesis topics) or training modules between Quantum Technologies and Astroparticle Physics, Particle Physics, Detector R&D and/or Accelerator Science
- 16. Action: Identify possible internship topics that could lead to papers

Generic Detector R&D (IB, SW, DB, IS, TH)

- 17. Action: Make a list of methods, instrumentation and facilities
- 18. Action: Identify possible collaborations/projects (thesis topics) or training modules in generic detector R&D across Oxford and HU and DESY
- 19. Action: List possible collaborations/projects (thesis topics) or training modules between generic detector R&D and Astroparticle Physics, Particle Physics, Quantum Optics and/or Accelerator Science
- 20. Action Identify possible internship topics that could lead to papers

Action Item UK Funding (TH, PB, GC)

- **Action: How could an Alumni funding scheme be setup?(potentially target German alumni)**
- **Action: Contact Colleges via fellows who are in the list of participants**
 - Brasenose
 - Cats
 - Lincoln
 - LMH
 - Exeter
 - Jesus
- **Action: When will the next CTD run?**
- **Action: Could we get other funded STFC studentships?**

Development of Curriculum (CI,HL,TH,GC)

- **Action: Define Training Program (Remote placements, schools, ...etc.)**
- **Action: Define potential internship topics (and also point out which ones could lead to papers)**
- **Action: What Research topics shall we cover (this depends on input from other tasks forces)**
- **Action: How will the supervision be organized**
- **Action: How do we ensure gender equality?**

Agenda

< Tue 17/03 Wed 18/03 All days

Print

15:00

- Introduction and Updates**
Video
- Update on how to secure UK Funding**
Video
- Go over Action Items of Detector R&D PIs**
Video

16:00

- Go over Action Items of Quantum Sensors PIs**
Video

< Tue 17/03 **Wed 18/03** All days

Print

09:00

- Go over Action Items of PP PIs**
Video

10:00

- Go over Action Items of Astro-Particle Physics PIs**
Video
- Go over Actions Items of Accelerator Task Force**
Video

11:00

- Discuss Curriculum**
Video