

Organisational aspects for AFTER

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Physics at A Fixed Target Experiment (AFTER) using the LHC beams

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Part 1: Next meeting(s)

Outline

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Part 2: Study group ?

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Part 2: Study group ?

Part 3: Funding

Part I

Next meeting(s)

Next Meeting(s)

- Previously, 3 small meetings organised in
 - Orsay: July 2011
 - Orsay (withing a GDR PH-QCD workshop): November 2011
 - Grenoble (2 days): May 2012
- + this workshop 5+3 days.
- During a one-day workshop, difficult to initiate round table
- Need to simplify organisation and initiate regular meeting
[don't get me wrong: regular \neq frequent]
- What's the best format ? (how long, where, when ?)
[input from members of exp. collaborations ?]

Ideas for place/time

1. A smaller meeting this year

- A 3 day workshop in November 2013
- Place: CERN ? (together with LUA9 ?)

Ideas for place/time

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2. One week workshop in 12 months from now

- Place ?
 - Les Houches, FR (deadline end of this month) [organiser's user guide URL](#)
 - Bad Honnef, DE <http://www.we-heraeus-stiftung.de/> INFO URL
 - Aussois, FR [INFO URL](#)
 - other ?

Part II

Organisation: study group, working groups ?

Example of organisation: LHeC

● LHeC Scientific Advisory Committee

- Guido Altarelli (Roma)
- Sergio Bertolucci (CERN)
- Stan Brodsky (SLAC)
- Allen Caldwell (MPI Muenchen, chair)
- Swapan Chattopadhyay (Cockcroft Institute)
- John Dainton (Liverpool / Cockcroft)
- John Ellis (CERN)
- Joel Feltesse (Saclay)
- Roland Garoby (CERN)
- Roland Horisberger (PSI)
- Young-Kee Kim (Fermilab)
- Aharon Levy (Tel Aviv)
- Lev Lipatov (St Petersburg)
- Karlheinz Meier (Heidelberg)
- Richard Milner (MIT)
- Joachim Mnich (DESY)
- Steve Myers (CERN)
- Tatsuya Nakada (Lausanne, ECFA)
- Guenter Rosner (Glasgow, NuPECC)
- Alexander Skrinsky (Novosibirsk)
- Tony Thomas (JLab)
- Steve Vigdor (Brookhaven)
- Ferdinand Willeke (DESY / Brookhaven)
- Frank Wilczek (MIT)

Example of organisation: LHeC

● LHeC Steering Committee

- Oliver Bruening (CERN)
- Allen Caldwell (MPI Muenchen, ex-officio, SAC chair)
- Albert de Roeck (CERN)
- John Dainton (Liverpool / Cockcroft)
- Stefano Forte (Milano)
- Max Klein (Liverpool, chair)
- Paul Laycock (Liverpool)
- Paul Newman (Birmingham)
- Emmanuelle Perez (CERN)
- Wesley Smith (Wisconsin)
- Bernd Surrow (MIT)
- Katsuo Tokushuku (KEK)
- Urs Wiedemann (CERN)

Example of publication : LHeC

| Title | Authors | Reference |
|--|----------------------|-----------------------------|
| On the Relation of the LHeC and the LHC | LHeC Study Group | Further Submission to Euro- |
| A Large Hadron Electron Collider at CERN | LHeC Study Group | pean Strategy Exercise |
| ICFA Beam Dynamics Newsletter 58 (devoted to ep colliders) | Several articles | Cracow European Strategy |
| LHeC Conceptual Design Report | LHeC Study Group | Symposium Submission |
| Electrons for the LHC | O Bruening & M Klein | August 2012 |
| Interaction Region Design for a | R Appleby et al. | J Phys G 39 (2012) 075001 |
| Ring-Ring Version of the LHeC | F Zimmermann et al. | CERN Courier, April 2012 |
| Interaction Region Design Options for a Linac-Ring LHeC | F Zimmermann et al. | IPAC 10 Submission |
| Designs for a Linac-Ring LHeC | A Ciftci et al. | IPAC 10 Submission |
| Deflecting Synchrotron Radiation | M Klein & P Newman | CERN Courier, April 2009 |
| from the Interaction Region | F Willeke et al. | EPAC 08 Submission |
| of a Linac-Ring LHeC | F Zimmermann et al. | EPAC 08 Submission |
| LHeC: novel designs for electron-quark scattering | F Bordry et al. | EPAC 08 Submission |
| A Storage ring based option for the LHeC | J. Dainton et al. | JINST 1 (2006) P10001 |
| Linac + LHC ep Collider Options | | |
| Prospects for a Large Hadron Electron Collider at the LHC | | |
| Deep Inelastic Electron-Nucleon Scattering at the LHC | | |

Webpage

Wiki webpage: <http://after.in2p3.fr>

- talks
- documents (reference or self-authored)
- private section:
 - submitted abstracts
 - to be added: various pages on single physics issues (specific plots made for AFTER; relevant existing experimental measurement explained, ...)
 - funding actions (e.g. basic texts to support applications, ...)
- ...

Part III

Funding actions

Fundings actions

- COST EU: see Elena's slide
- in the longer: I4HP ?
- French PEPS PTI (± 6 kEUR /year): renewal deadline 19/02/13
- Bilateral agreements
 - Italy-France (Torino-IPN Orsay) : PICS (for 3 years ?)
 - China-France (FCCPL)
- Dedicated centers to organise meetings (indirect funding)
- PhD. thesis grant ?
- (joint) postdoctoral position ?
- etc.