

Minutes
of the Eighty-First Meeting of the
Nuclear Physics European Collaboration Committee (NuPECC)
held in Edinburgh on October 10 and 11, 2014

Participants:

Nicolas **Alamanos**
Faïçal **Azaiez**
Maria José Garcia **Borge**
Angela **Bracco** (Chair)
Jan **Dobeš**
Jens Jørgen **Gaardhøje**
Ari **Jokinen**
Gabriele – Elisabeth **Körner** (Scientific Secretary)
Bernd **Krusche**
Marek **Lewitowicz** (SPIRAL2)
Adam **Maj**
Matko **Milin**
Alex **Murphy**
Eugenio **Nappi**
Paul **Nolan**
Joakim **Nystrand**
Klaus **Peters** (EPS/NPB)
Hans **Ströher**
Ioan **Ursu**
Piet **Van Duppen**
Jochen **Wambach**
Wolfram **Weise** (ECT*)
Eberhard **Widmann**
György **Wolf**

Antonio **Fonseca**, Don **Geesaman** (NSAC), Sotirios **Harissopulos**, Tord **Johansson**, Klaus **Jungmann**, Dong-Pil **Min** (ANPhA), Günther **Rosner** (FAIR), Christelle **Roy**, Raimond **Snellings**, Horst **Stöcker** and Jean-Claude **Worms** (ESF) could not attend.

Agenda

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1. Approval of the Agenda

The accepted agenda is given on page 2.

2. Apologies for Absence

Antonio **Fonseca**, Don **Geesaman** (NSAC), Sotirios **Harissopoulos**, Tord **Johansson**, Klaus **Jungmann**, Dong-Pil **Min** (ANPhA), Günther **Rosner** (FAIR), Christelle **Roy**, Raimond **Snellings**, Horst **Stöcker** and Jean-Claude **Worms** (ESF) could not attend.

3. Minutes of the Previous Meeting

The minutes of the eightieth meeting held in Jyväskylä on June 13 and 14, 2014, are agreed upon without changes. They will be put on the NuPECC Website as such.

4. External Activities

4.1. EPS/NPB

Klaus Peters reported from the Nuclear Physics Board of EPS. The 67th Board Meeting of the EPS Nuclear Physics Division was hosted by Uppsala University, Sweden, on the 2 and 3 May 2014. There are a couple of changes in the composition of the board. The board welcomed Dolores Cortina Gil and thanked the outgoing members Nasser Kalantar, Pierre Descouvemont and Dennis Bonatsos. After the meeting three ordinary members have been selected, who started their term during the summer after the meeting: Nicola Bianchi, Jouni Suhonen and Piet Van Duppen. The mandate for Ivan Mitropolsky was up to renewal, but he wished not to renew and his term ended this summer.

The 2014 Lise Meitner Prize was jointly awarded to Prof. Johanna Stachel (Universität Heidelberg), Prof. Peter Braun-Munzinger (GSI), Dr. Paolo Giubellino (INFN Torino and CERN) and Dr. Jürgen Schukraft (CERN) for their ground-breaking work on studies of the quark-gluon plasma and their contributions to the design and construction of the ALICE program at CERN. In 2015 the Nuclear Physics Board will offer two major prizes: the IBA Prize for Applied Nuclear Science and Nuclear Methods in Medicine; and its triennial Nuclear Physics PhD Prize, for the most outstanding European Nuclear Physics PhD awarded in 2012, 2013, and 2014. Advertising for both prizes will be launched in Autumn 2014 and it is expected that the prizes will be presented at the 3rd European Nuclear Physics Conference, in September 2015.

Work is progressing on the production of a topical paper on ‘‘Applications of nuclear physics for the study, preservation and conservation of cultural heritage’’. A wide range of international experts have been approached and agreed to provide contributions to this work.

The board is currently organising three Divisional conferences which are progressing well:

International Conference on Science and Technology for FAIR in Europe 2014, Worms, Germany, 13-17 Oct 2014.

7th Nuclear Physics in Astrophysics Conference, York 18-22 May 2015.

3rd European Nuclear Physics Conference, Groningen 31 Aug – 4 Sep 2015.

The Board also discussed ideas for activities of the NPD during the 2015 International Year of Light (IYL), but were not conclusive so far.

4.2. HIE-ISOLDE

Maria Borge reports on HIE-ISOLDE; her presentation can be found on the NuPECC Website.

4.3. SPES

Gianfranco Prete reports on SPES; his presentation can be found on the NuPECC Website.

4.4. ELI-NP

Victor Zamfir reports on the progress of ELI-NP; his presentation can be found on the NuPECC Website.

4.5. EURISOL-DF

Marek Lewitowicz reports on the proposed EURISOL Distributed Facility; his presentation can be found on the NuPECC Website.

4.6. HadronPhysicsHorizon

Carlo Guaraldo reports on the activities of HadronPhysicsHorizon; his presentation can be found on the NuPECC Website.

4.7. ENSAR2 + ECOS-LINCE

Muhsin Harakeh reports on the activities of ENSAR2 and the proposed ECOS-LINCE; his presentations can be found on the NuPECC Website.

4.8. EDM

Hans Ströher reports on the proposed EDM experiment in Jülich; his presentation can be found on the NuPECC Website.

4.9. CINF

Jens Dilling reports on the activities of the Canadian institute of Nuclear Physics; his presentation can be found on the NuPECC Website.

5. NuPECC Report “Nuclear Physics for Medicine”

The final draft of the brochure “Nuclear Physics for Medicine” prepared by Nina Hall and h2o has been sent to all NuPECC members; with the last corrections it can now go to print in order to be ready for the presentation event on November 24, 2014, at the University Foundation in Brussels. Invitation and preliminary agenda have been sent out to the possible participants proposed by the NuPECC Members. The number of registered participants is still rather low, therefore all NuPECC Members are urged to check for “their” proposed candidates.

6. Internal Activities

6.1. ESF

Jean-Claude Worms could not participate, therefore Angela Bracco reports on the activities of ESF under point 7 of the agenda.

6.2. ECT*

Wolfram Weise reports on ongoing activities of ECT*; his presentation can be found on the NuPECC Website.

6.3. Nuclear Physics News

The special issue featuring “25 Years of NuPECC” has appeared; the article is a good compilation of the history of NuPECC.

Maria Borge reminds the NuPECC Members that it is also their responsibility to contribute to Nuclear Physics News by proposing contributions!

6.4. PANS

The brochure “Nuclear Physics for Medicine” is ready and in print.

Gyuri Wolf will try to find a company to make the NUPEX website more interactive and discuss financing with ENSAR directly.

6.5. Budget

Jens Jørgen Gaardhøje gives a detailed report on the budget. The money which has not been used for the report on “Nuclear Physics for Medicine” should be allocated to and provisions should be made for the preparation of a new long range plan which will be started end of 2015.

6.6. NUPEX

The status off NUPEX can be seen on <http://nupex.eu/> ; translations are in progress.

7. Chair's Business

Angela Bracco reports on her participation at

- the IUPAP WG.9 meeting on July 11, 2014, at GSI Darmstadt
- the ESFRI working group on physics on July 16, 2014, and September 11, 2014, in Bruxelles
- the meeting of the Governing Council of ESF on September 25, 2014, in Paris

Her presentation can be found in the Members' Area of the NuPECC Website.

NuPECC has received a letter from JINR Dubna applying for institutional membership. After an intense discussion, NuPECC voted on the proposal and approved it with 1 dissenting vote and 3 abstentions. Angela Bracco will reply to the letter inviting JINR to complete formalities with ESF to nominate one representative.

8. New Projects

For the "Year of Light 2015" NuPECC will prepare a 10-pagesa brochure with the tentative title "Light to Reveal the Heart of Matter. Four working groups consisting of the various NuPECC Members are formed covering the following topics:

Inside nucleons with photons – Inside nuclei with photons – Photon induced reactions for astrophysics and applications – Photon and laser techniques for radioactive beams

The complete list including the contact persons is attached to these minutes.

The 4 contributions of 2 pages each should be ready by the end of the year, the brochure for the next NuPECC Meeting in March 2015. The brochure will be realised with the technical and financial help of ELI-NP; a template will be available soon.

8. AoB

There is no other business.

9. Next Meetings

The next meetings of NuPECC will be held on

March 13 and 14, 2015, in Athens

June 12 and 13, 2015, in Basel and

October 9 and 10, 2015, at GANIL

München, November 10, 2014



(Gabriele - Elisabeth Körner

Working Groups

“Light to Reveal the Heart of Matter”

Inside Nucleons with Photons

Jens Jørgen Gaardhøje, Tord Johansson, Bernd Krusche, Eugenio Nappi, Joakim Nystrand, Günther Rosner, Raimond Snellings, Horst Stöcker, Hans Ströher, Wolfram Weise, Eberhard Widmann, Gyuri Wolf

Inside Nuclei with Photons

Paul Nolan, Nicolas Alamanos, Angela Bracco, Antonio Fonseca, Adam Maj, Jochen Wambach

Photon Induced Reactions for Astrophysics and for Other Applications (Including Medical ...)

Alex Murphy, Jan Dobeš, Sotirios Harissopulos, Klaus Jungmann, Matko Milin, Ioan Ursu

Photons and Lase Techniques for Radioactive Beams

Piet Van Duppen, Faiçal Azaiez, Maria Borge, Ari Jokinen, Marek Lewitowicz, Jens Dilling