

## **Minutes**

**of the Fifty-Eighth Meeting of the Nuclear Physics European Collaboration Committee  
(NuPECC)**

**held on March 16 / 17, 2007, at ECT\* Trento**

Participants:

- J. – P. Blaizot
- T. Bressani
- P. Bressler (ESF)
- R. Čaplar
- J. Dobeš
- G. Fortuna
- B. Fulton (Chairman)
- D. Goutte
- D. Guillemaud – Mueller
- B. Haas
- M.N. Harakeh
- S. Harissopulos
- P. - H. Heenen
- R. Julin
- G. - E. Körner (Scientific Secretary)
- A. Krasznahorkay
- M. Leino (EPS/NPB)
- D. Röhrich
- G. Rosner
- H. Ströher
- J. Styczeń
- J. Wambach
- E. Widmann
- V. Zamfir

C. Amsler, A. Eiró, J. J. Gaardhøje, H. - Å. Gustafsson, W. Henning, T. Peitzmann and A. Poves could not attend.

## Agenda

- 1) Opening of the meeting
- 2) Fixing the agenda
- 3) Minutes of the Last Meeting
- 4) Report of the Chairman
- 5) ESF
- 6) ECT\*
- 7) NuPECC Budget
- 8) Nuclear Physics News
- 9) PANS
- 10) NuPECC Survey 2006
- 11) ECOS
- 12) Nuclear Physics in FP6 and FP7
  - Reports on EURONS and I3HP plus plans for new I3 bids
  - Report on EURISOL Design Study and plans for FP7
  - Status of FAIR and plans for FP7 Construction bid
  - Status of SPIRAL-2 and plans for FP7 Construction bid
  - NuPNET
  - AGATA
- 13) Preparations for the next NuPECC Long Range Plan
- 14) Procedure for election of new Chair
- 15) Miscellaneous
  - EPS/NPB
  - ESFRI
  - ECFA and CERN Council Strategy Group
  - IUPAP C12 / OECD - GSF
  - Survey Small Scale Facilities
  - EWON
  - NSAC
  - Data Evaluation
  - Israeli membership
  - Evaluation Panel for FP7
- 16) Next meeting(s)

## **1. Opening of the meeting**

In the morning, NuPECC is welcomed by the President of the Bruno Kessler Foundation and the President of the University of Trento. Presentations are given on various nuclear physics activities in Trento. The files of all the presentations can be found on the NuPECC website under <http://www.nupecc.org/presentations>.

## **2. Fixing the agenda**

The accepted agenda is given on page 2.

## **3. Minutes of the last meeting**

The minutes of the fifty-seventh meeting held on October 27 / 28, 2006, in Bordeaux, are agreed upon with the following change: on page 8 at the end of the 4<sup>th</sup> paragraph (EWON), the following sentence has to be added: “R. Čaplar also informs that at the meeting the initiative on forming a “Cluster facility” based on the small scale accelerator facilities operating in the EWON countries and preparing a case to apply for support in the framework of various EU funding instruments, such as Transnational Access to research Infrastructures has been put forward and supported by all participants (see also [http://www.inp.demokritos.gr/EWON/docs/EWON\\_Zagreb\\_Meeting\\_Minutes.pdf](http://www.inp.demokritos.gr/EWON/docs/EWON_Zagreb_Meeting_Minutes.pdf)). With this modification the minutes will be put on the NuPECC Website as they are.

## **4. Report of the chairman**

Actions from last meeting:

B. Fulton

- replied to Dave Lunney to convey NuPECC’s thoughts on the Data Evaluation proposal
- checked to see if it was still possible to submit ERC nominations – submitted names of all NuPECC members
- mailed to thank Bernard Haas for hosting our meeting
- e-mailed AGATA to inform them of the FP7 plans
- informed Jean-Paul Blaizot of the NuPECC discussion on supporting ECT\*
- informed the OECD GSF secretariat of NuPECC’s views on items where they could coordinate: international involvement in FAIR, target/ion source development and e-hadron collider.

Since the last meeting:

B. Fulton

- prepared the introductory sections for NuPNET, the ERANET submission for Nuclear Physics and attended meetings of the Writing Committee. The final version will be discussed at a meeting in Frankfurt on March 19, 2007 (see also point 12 of the agenda)
- attended a meeting of Restricted-ECFA where he introduced the committee to the role of NuPECC and presented the list of areas of possible common interest identified at our last meeting. The committee proposed that there be a regular presentation to Plenary-ECFA once a year. In addition, the chair of NuPECC would be invited to provide input to Restricted-ECFA (which meets the day before) if there were any issues, which required a discussion in that forum. On the following day he gave a more general presentation on our activities at the Plenary-ECFA meeting (see also point 15 of the agenda)

- as NuPECC chair, was invited to serve on a Visiting Committee to review the operation of the DoE Office of Nuclear Physics. The visit was held on January 9 – 11, 2007 in Washington. The report of the committee has been forwarded to NSAC.
- represented NuPECC at a meeting of NSAC in Washington on March 8 – 9, 2007 and gave a presentation on NuPECC and the funding situation in Europe (see also point 15 of the agenda).
- attended the ESF “Forward Looks Workshop” in Brussels, on January 29 – 30, 2007 (see also points 5 and 13 of the agenda)
- attended a meeting of the ECT\* Joint Funding Committee on January 22, 2007 to represent NuPECC (see also point 6 of the agenda)
- attended a meeting of the ECT\* Board of Directors on January 27, 2007
- responded to a request from a member to arrange a presentation on the plans at REX-Isolde. This is arranged for the Munich meeting and will be given by Peter Butler
- attended the EURISOL Town Meeting at CERN on February 12 to 14, 2007. One issue of interest was the discussion on how EURISOL might position itself for FP7. The favoured approach seems to be to plan for a "Preparatory Stage" bid for Construction Funds in the call expected in 2010. This will of course require EURISOL to be established on the ESFRI Roadmap by this point.

## **5. ESF**

P. Bressler informs NuPECC that ESF might ask NuPECC for a Forward Look. Forward Looks are produced on request of an ESF Member Organisation, in this case PPARC. B. Fulton will contact I. Halliday (ESF) to get more information (see also point 13)

At the next PESC Meeting on April 27, 2007, in Copenhagen, M. N. Harakeh will represent NuPECC and report on its activities. NuPECC will inquire for the dates for PESC Meetings next year in order to avoid overlapping meetings.

## **6. ECT\***

J. - P. Blaizot reports on ECT\*; his presentation can be found on the NuPECC Website under <http://www.nupecc.org/presentations> . In order to reach a more stable financial situation by raising the contributions of the “smaller” countries to the level of those from France, Germany and Italy, i.e. around 15 k€ such as The Netherlands and Belgium are already contributing, use should be made of the ongoing review of the Centre to renew and extend the MoU so that other institutions can participate. The NuPECC Members are urged to contact their theory community to get their funding agencies to act accordingly.

Another possibility to help to insure funding could be envisaged within NuPNET, the proposed ERANET in nuclear physics, see point 12 of the agenda)

## **7. NuPECC Budget**

Due to a misunderstanding, S. Harissopulos could not prepare a budget plan; this will be done and presented at the next NuPECC Meeting. NuPECC proposes that the contribution for 2007 should remain the same as for 2006, and ESF can send out the requests to the Member Organisations concerned now.

## **8. Nuclear Physics News**

P. - H. Heenen has asked for and received some suggestions for articles from NuPECC Members; this procedure is deemed very useful will be continued at future NuPECC Meetings. P. – H. Heenen has sent a letter to the correspondents inquiring about their willingness to continue. Some positive and some negative replies have been received; this will be followed up. A. Eiró expresses her wish to be replaced as Member of the Editorial Board; it is suggested to find an Italian member of the hadron physics community. A decision will be taken at the next NuPECC Meeting. The next meeting of the Editorial Board will take place on March 17 right after the NuPECC Meeting.

## **9. PANS**

The group preparing the application for the exhibition on “Nuclear Science and Cultural Heritage” chaired by C. Leclercq-Willain had a meeting in Padova on March 9 and 10, 2007. The draft is ready and envisages 14 exhibitions from 2009 on. The final proposal will be discussed at a meeting in Athens on May 4 and 5, 2007. NuPECC agrees to allocate 3 k€ for the meeting. The group is asked to check the possibility to include additional contractors who could leverage further funding from their national funding agencies.

A workshop of PANSI3 will be held in Madrid on April 12 and 13, 2007. There the preparation of a folder to present highlights of EURONS will be discussed. The folder should be available in time for the applications for FP7.

## **10. NuPECC Survey 2006**

The collection of data is almost complete. B. Fulton, D. Guillemaud-Mueller and G. - E. Körner will prepare a draft report for the next NuPECC meeting.

## **11. ECOS**

After the Town Meeting held in Paris on October 5 and 6, 2006, comments were received until December. The final documents will be ready by end of March and then be published as a NuPECC Report on the NuPECC Website. R. Julin agrees to be responsible for the publication.

The ECOS group is planning a workshop later this year to discuss a possible application for a JRA in FP7.

## **12. Nuclear Physics in FP6 and FP7**

C. Guaraldo reports on I3 HadronPhysics, His presentation can be found on the NuPECC website under <http://www.nupecc.org/presentations>. The next EURONS Meeting will be held on March 19, 2007, in Frankfurt; A. C. Mueller will report at the next NuPECC Meeting. C. Guaraldo will prepare the new bid; A.C. Mueller will not be available. NuPECC offers to help if the community has difficulties to find a new person.

At the EURISOL Town Meeting (see also point 4 of the agenda) there was a presentation by Stefano Fontana of the EC who gave an update on developments. For I3's, there will be 273M€ available for the call in 2008. This will be for both targeted and bottom-up proposals (we are in the latter category). Their expectation is an average of 10M€ per I3, which implies 27 of them. This is about half of the existing number. In the preparation of the two new bids, NuPECC's role is to make sure that groups are inclusive and nothing is missing as well as to spread word that everybody is aware.

H. Ströher reports on the status of FAIR with a presentation by W. Henning; it can be found on the NuPECC Website under <http://www.nupecc.org/presentations>. Due to the decision of the BMBF to downgrade X-FEL to a national project and to start construction immediately as well as to extend the FAIR MoUs by one year and to thus postpone the decision by one year, the project risks to be delayed and/or not fully realised. NuPECC should reiterate its strong support for the full project. B. Fulton will draft a letter, circulate it and then send it to BMBF (F. Meyer-Krahmer) with copies to H. Schunck and W. Henning in order to stress the importance of the project for the community and express NuPECC's concern.

S. Galès reports on the ongoing preparations of the bid for construction of SPIRAL 2. The collection of Letters of Intent has started; 19 letters have been received involving about 600 physicists. For the 5-6 collaborations such as AGATA, DESIR, S3, GASPARD, the call for technical proposals will come out middle of the year with a deadline end of the year and evaluations until middle of next year. A first beam is expected for 2011, a first radioactive beam one year later.

S. Galès reports on the status of NuPNET, the ERANET proposal for nuclear physics; his presentation can be found on the NuPECC Website under <http://www.nupecc.org/presentations>, see also point 4 of the agenda. At the next NuPECC Meeting, a mechanism will be introduced to allow for a fast reaction to questions from NuPNET. It is pointed out again that NuPECC's role is to feed in the scientific issues as advisory body, thus NuPNET could be a mechanism to map the NuPECC Long Range Plan into action. Possible topics for the action plan of NuPNET are ECT\* and AGATA (see also point 6 of the agenda and below).

J. Gerl reports on the status of AGATA; his presentation can be found on the NuPECC Website under <http://www.nupecc.org/presentations>. NuPECC continues to support the project and explores funding possibilities such as a participation in a new I3 or becoming an action in NuPNET are discussed. One major problem arises from the fact that AGATA is not a project of a single laboratory, but will be hosted in different places. A joint effort of these laboratories to take responsibility for the instrument in the framework of a MoU could be envisaged. B. Fulton will write a letter to alert the Directors of GSI, GANIL, LNL, ISOLDE and JYFL.

J. Styczeń reports on the HERMES-STAR Collaboration on a novel gamma-ray calorimeter; a copy of his presentation is enclosed.

The NuPECC Members who have not yet provided their "general" and "restricted" mailing lists are urged to do so.

### **13. Preparations for the next NuPECC Long Range Plan**

NuPECC will present an assessment of the present Long Range Plan at the town meetings of the two I3s. Since no dramatic changes have occurred since the LRP 2004, NuPECC sees no need to start the process for a new LRP immediately and will revisit the issue in a year's time (see also point 5 of the agenda)

### **14. Procedure for election of new Chair**

M.N. Harakeh agrees to prepare a draft, which will be circulated before and discussed at the next NuPECC Meeting.

## 15. Miscellaneous

- EPS/NPB: M. Leino reports on the preparations for the big European spring meeting to be held in 2009. At the next board meeting, a decision on the venue will be taken. Local support will be sought to make the conference as accessible as possible for young people. If it is successful, it should be held every 3 to 5 years.
- ESFRI: There are no new developments.
- ECFA: This point is treated under point 4 of the agenda.
- IUPAP C12 / OECD – GSF: B. Fulton will be present at the meetings in the next couple of months as representative of NuPECC.
- Survey of Small Scale Facilities: B. Haas reports that the list of laboratories is almost complete; only laboratories active in nuclear physics are included. S. Harissopulos will organise a common meeting of representatives from the facilities before July 15. The meeting should cover the various topics discussed before; NuPECC nominates the following conveners: V. Zamfir for “nuclear physics”, S. Harissopulos and J. Dobeš for “ion beams for nuclear astrophysics”, H. Whitlow (Jyväskylä) for “materials science” and Lebeque (GANIL) for “cultural heritage”. NuPECC agrees to allocate 5k€ for the meeting.
- NSAC: B. Fulton’s notes on the NSAC Meeting held on March 8 and 9, 2007, in Washington, are enclosed with these minutes
- EWON: A workshop is planned for next January to discuss a “cluster facility”; this will be discussed at the EURONS Meeting in Frankfurt on March 19, 2007. More information will be available at the next NuPECC meeting.
- Data Evaluation: There are no new developments.
- Israeli Membership: P. Bressler informs NuPECC that although not a member of ESF, as an observer Israel can participate in ESF instruments. The Director of ISF will invited to the NuPECC Meeting in Bucharest
- Experts for FP7 Evaluation Panels: The NuPECC Members are encouraged to propose possible experts in addition to the ones presented by C. Guaraldo. The experts should not be involved in the applications. Names will be circulated among NuPECC Members for comments, then the list will be submitted to the European Commission on behalf of NuPECC.

## 16. Next meeting(s)

The next NuPECC meetings will be held

on June 22 and 23, 2007, in München  
on October 26 and 27, 2007, in Bucharest  
(in March 2008 in Madrid)  
(in June 2008 in Zagreb)

München, April 23, 2007



(Gabriele - Elisabeth Körner)