

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

**held on October 27 / 28, 2006, in Bordeaux**

Participants:

- C. Amsler
- T. Bressani
- R. Čaplár
- J. Dobeš
- A. Eiró
- G. Fortuna
- B. Fulton (Chairman)
- J. J. Gaardhøje
- D. Goutte
- D. Guillemaud – Mueller
- H. - Å. Gustafsson
- B. Haas
- M.N. Harakeh
- P. - H. Heenen
- W. Henning
- R. Julin
- G. - E. Körner (Scientific Secretary)
- A. Krasznahorkay
- R. Lovas (EPS/NPB)
- T. Peitzmann
- A. Poves
- D. Röhrich
- G. Rosner
- H. Ströher
- J. Styczeń
- J. Wambach
- E. Widmann
- V. Zamfir

J.- P. Blaizot, P. Bressler (ESF), and S. Harissopulos 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) Integrated Infrastructure Initiatives
- 13) EURISOL Design Study
- 14) GSI Design Study and Status of FAIR
- 15) Status of SPIRAL 2
- 16) ERA-NET
- 14) Nuclear Physics in FP7
- 15) Preparations for the next NuPECC Long Range Plan
- 16) Miscellaneous
  - EPS/NPB
  - ESFRI
  - ECFA and CERN Council Strategy Group
  - IUPAP C12 / OECD - GSF
  - Survey Small Scale Facilities
  - NSAC
  - EWON
  - Data Evaluation
- 17) Next meeting(s)

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

In the morning, presentations are given on various nuclear physics activities in Bordeaux. 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-sixth meeting held on June 9 / 10, 2006, in Kraków, are agreed upon with the following changes: on page 4 under point 4 in the second line of the fourth paragraph “his” has to be replaced by “NuPECC’s”; on page 7, point 16 in the second line “to J. Kluge” has to be removed. With these modifications the minutes will be put on the NuPECC Website as they are.

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

In his capacity as Chairman of NuPECC, B. Fulton

- attended a meeting of the IUPAP Working Group (WG9) on International Collaboration in Nuclear Physics held in Vancouver, June 19, 2006. This will be discussed under point 19 of the agenda.

- attended a meeting held in Paris on October 6 to discuss the submission of an ERA-NET for nuclear physics in FP7. This will be discussed under point 16 of the agenda.

- held an email exchange with members to discuss an approach from the IUPAP WG9 to help with costs of production and distribution of their survey. On behalf of NuPECC, he responded that NuPECC were unable to utilise its funding in this way.

- assisted Daniel Pasini in the preparation of a presentation he gave to the OECD Global Science Forum on International Collaboration in Nuclear Physics. NuPECC featured extensively in this presentation.

- received an invitation to attend the ESF General Assembly in Strasbourg on 31 November 30 and December 1, 2006 and give a presentation on NuPECC. As this clashes with a presentation on NuPECC to Restricted ECFA, M.N. Harakeh will attend instead and represent NuPECC at the ESF meeting. The main topics will be the Roadmap, the Survey and the next Long Range Plan (Forward Look)

- held an email discussion with members, following which he submitted the name of Günther Rosner as a NuPECC nomination for Panel Chair, or Member, of the new European Research Council, which seems to develop into an important funding tool for Europe. He will contact the EC if there is still time to submit more nominations for the ERC Panels.

- attended a meeting of Plenary ECFA and emailed a report on this to members. Following discussions with the chair (Torsten Akesson), it is agreed that he will attend the next meeting of Restricted ECFA for discussions on November 30, 2006, and then give a presentation on NuPECC to the following Plenary ECFA meeting on November 31, 2006, at CERN.

- received a letter from ESF to announce that the Chief Executive, Bertil Andersson, is resigning with effect from April 1, 2007, to take up a new appointment as the Provost of the Nanyang Technological University in Singapore.
- received a note from the EURISOL Steering Committee Chair that because of increased duties following his appointment as INFN Executive Committee Member in charge of Nuclear Physics activities, G. Fortuna has had to step down as leader of the EURISOL Design Study. The Management Board has proposed Y. Blumenfeld as the new Project Leader and he has assumed this role pending formal approval at the next Steering Committee meeting. B. Fulton sent an email to G. Fortuna on behalf of NuPECC, thanking him for all his efforts for the community in this project. He has also invited Y. Blumenfeld to attend this meeting to provide an update on EURISOL under point 13 of the agenda.
- received an invitation to attend a meeting in Zagreb on October 20 – 21, 2006, of the South-East and North-East European Nuclear Physics Networks (SEENet and NEENet), which together form the EWON networking activity in EURONS. He was unfortunately unable to attend as he was giving a talk at another meeting that weekend, but sent NuPECC's encouragement and asked for a report to be presented at this meeting. R. Čaplar will give a report under point 19 of the agenda.
- continued discussions with A. Nichols (IAEA) on the subject of European contributions to the data evaluation effort in nuclear physics. Emerging from earlier discussions, a group of D Balabanski (Sofia), N V Zamfir (Bucharest), G Audi (Orsay) and D Lunney (Orsay) have come together to discuss this issue. B. Fulton and G.-E. Körner held a brief meeting with them at Paris on October 6, 2006 (at the ECOS Meeting) and suggested that this activity might be taken forward through an FP7 network in a successor I3. The group will prepare an outline proposal to submit to NuPECC and contact Alex Mueller to indicate their interest in discussions about a future successor to EURONS. This will be further discussed under point 19 of the agenda.
- participated in a telephone meeting (having been let down by an un-named airline) with J.-P. Blaizot, P. Hoyer and C. Guaraldo at ECT\* on the problems of long term funding of ECT\* activities. This will be discussed under point 6 of the agenda, when H.-Å. Gustafson can give an update following discussions at the last ECT\* Board Meeting..
- participated in the ECOS Town Meeting in Paris on October 5 and 6, 2006. This matter will be discussed under point 11 of the agenda.
- continued work to help prepare the community bids for FP7 by interacting with the commission to establish timetables and also by inviting to this meetings representatives of all the major groups who are considering submissions. This will be discussed under points 11 – 17 of the agenda.
- received an email from ESF regarding a survey of research infrastructures which they and EuroHORCs were carrying out along with the Commission. Despite our submission of all nuclear physics infrastructures in the first call earlier in the year, these appeared all to be missing. B. Haas and G. E. Körner have responded with a full list, including the smaller facilities identified in B. Haas' survey as well as the EURONS / I3HadronPhysics facilities and those described in the NuPECC Handbook.

## **5. ESF**

Due to the PESC Meeting taking place at the same time, P. Bressler could not attend the meeting, thus this point is postponed to the next meeting

## **6. ECT\***

J.-P. Blaizot being absent, H.-Å. Gustafson reports on the last meeting of the Board of Directors of ECT\*. The term of the Director will come to an end; J.-P. Blaizot is willing to continue for a limited time. The financial terms of ECT\* are being reviewed; the influx of financial contributions should be put on a sound basis. The MoU should be redrafted in order to allow for all countries to participate via different mechanisms and eventually on a bilateral basis. The contribution from the “big” countries (France, Germany, Italy) should be matched by all “smaller” countries. In order to achieve this goal, J.-P. Blaizot and P. Hoyer should approach the funding agencies, supported by B. Fulton and the corresponding NuPECC Member. The intention of ECT\* to participate in both applications for Integrated Activities in FP7 is known and accepted in Brussels. The funding agencies can be alerted of the situation within the ERA-NET. J.-P. Blaizot is asked to prepare an update of the situation and distribute it to the NuPECC Members.

## **7. NuPECC Budget**

S. Harissopulos could not attend the meeting, but sent an update of the situation; copies are enclosed with the minutes. In addition, some explanatory remarks from S. Harissopulos received after the meeting are also enclosed.

## **8. Nuclear Physics News**

The next meeting of the Editorial Board will be held on October 28, 2006.

P. - H. Heenen has asked for and received some input from NuPECC Members; this procedure will be continued at future NuPECC Meetings.

A discussion on open access publishing should be put on the agenda of the next NuPECC Meeting.

## **9. PANS**

PANS was selected as one of six projects presented at the EU Website as “star projects”; it can be found under [http://ec.europa.eu/research/star/index\\_en.cfm?p=03\\_main](http://ec.europa.eu/research/star/index_en.cfm?p=03_main).

C. Leclercq-Willain organised and chaired the kick-off meeting on July 27 and 28, 2006, in Brussels to discuss the new project of an exhibition on “Nuclear Science and Cultural Heritage”; the programme of the meeting was sent to all NuPECC Members. A Working Group was formed, consisting of C. Leclercq-Willain (Chair), A. Eiró, S. Harissopulos, A. Pascolini and I. Reiche to prepare the application. C. Leclercq-Willain and G. de Mortier met with S. Parker in Brussels on October 8, 2006, to discuss possible funding schemes. The Working Group met on October 22, 2006, in Brussels to discuss the project. NuPECC approved the allocation of a few k€ for these preparatory meetings.

## **10. NuPECC Survey 2006**

G. - E. Körner reports on the status of the survey; a copy of the current update is enclosed. All NuPECC Members from countries where information is missing received a check-list at the meeting and are urged to make sure that the missing input is sent to G. - E. Körner by end of November. B. Fulton, D. Guillemaud-Mueller and G.-E. Körner form a Working Group to discuss on how to compare, interpret and present the data.

## **11. ECOS**

The report on the Town Meeting held in Paris on October 5 and 6, 2006, was distributed to all NuPECC Members; the updated report from the Working Group is put on the web under ???

Last changes (W. Henning) should be sent to F. Azaiez within two weeks. B. Fulton and R. Julin will draft a preamble, then the report will be published as NuPECC Report.

NuPECC thanks F. Azaiez for his efforts.

The ECOS Working group is encouraged to continue and participate with JRAs in the new proposal of the EURONS community, making use of synergies with the radioactive beam community.

## **12. Integrated Infrastructure Initiatives**

C. Guaraldo reports on I3 HadronPhysics, A.C. Mueller on EURONS. Both presentations can be found on the NuPECC website under <http://www.nupecc.org/presentations>, see also point 17.

## **13. EURISOL Design Study**

Y. Blumenfeld reports on the status of EURISOL; his presentation can be found on the NuPECC Website under <http://www.nupecc.org/presentations>, see also points 4 and 17.

## **14. GSI Design Study and Status of FAIR**

W. Henning reports on the status of FAIR; his presentation can be found on the NuPECC Website under <http://www.nupecc.org/presentations>, see also point 17.

## **15. Status of SPIRAL 2**

M. Lewitowicz reports on the status of SPIRAL 2; his presentation can be found on the NuPECC Website under <http://www.nupecc.org/presentations>, see also point 17.

## **16. ERA-NET**

S. Galès convened and chaired a meeting in Paris on October 6, 2006, which was attended by representatives from Belgium, France, Germany, Greece, Italy, Poland, Romania, Spain, UK and the EC. Four Working Packages were identified: I) Management (France) - II) Exchange of Information (Germany) - III) Roadmap for Funding Infrastructures (Italy) - IV) Launching of Joint Calls (UK or Spain). A Writing Group was formed, co-ordinated by S. Galès (C. Bosaro): J. Benlliure, A. Bracco, B. Fulton, W. Henning (I. Reinhard), A. Maj. The group will meet on November 29, 2006, at CERN. The next ERA-NET meeting will be held on January 12, 2007, in Milano.

## **17. Nuclear Physics in FP7**

- In 2007 there will be bids for CNI (Construction of New Infrastructure) from FAIR and SPIRAL 2; both appear on the ESFRI Roadmap (see point 19) and are therefore eligible. CNRS / IN2P3 (S. Galès) is co-ordinating an application for an ERA-NET.

- In 2008 the communities of both I3s will propose new IA (Integrating Activities); the community active in HadronPhysics has started the process of preparing a proposal; the EURONS community will start at the next PCC Meeting in Groningen on December 11 and 12, 2006. ECOS will be present in the JRA part (see point 11), a participation of AGATA is under discussion. ECT\* will participate in both activities (see point 6),

DS (Design Study) proposals are being prepared for several FAIR experiments: AIC, FLAIR, PAX.

- In 2009 there could be a CNI proposal for EURISOL, if EURISOL will get on the ESFRI Roadmap in the update due in 2008.

NuPECC decides to establish two new mailing lists for spreading information to the European nuclear physics community - a "general" one and a more "political" one, containing the senior people, to whom e.g. the information about the preparations for FP7 should be sent,

For this the NuPECC Members are urged to provide input using one of the two possibilities:

a) they take the existing (world-wide) NuPECC Mailing List, pull out their domain, check it and send then TWO lists back to G.-E. Körner - clearly marked "general" and "restricted".

b) if there are such lists for their country, they just need to send them to G.-E. Körner, again clearly marked "general" and "restricted".

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

NuPECC appoints a Planning Group for the Town Meeting which will start the process of preparing a new Long Range Plan. The group is chaired by B. Fulton; its members are T. Bressani, D. Guillemaud-Mueller, P.-H. Heenen, R. Julin and J. Wambach. The group is supposed to prepare and organise the town meeting which is funded within EURONS, by making use of the town meetings planned by EURONS, I3 HadronPhysics, EURISOL etc.

## **19. Miscellaneous**

- EPS/NPB: R. Lovas reports on the meeting of the Nuclear Physics Board with the President Elect F. Wagner at CERN on September 23, 2006; he wants to improve the relation between EPS and its divisions and member states; in 2008 EPS will be 40 years old; this occasion should be used to boost the public image; M. Leino was elected Chairman from 2007 on; B. Rubio will become Secretary in 2008 and 2009; the next topical conference on nuclear and astrophysics will take place in Dresden on March 26 – 30, 2007; EPS proposes to hold a European spring meeting instead of the national ones occasionally.

- ESFRI: The ESFRI Roadmap was published on October 18, 2006; it can be found under [ftp://ftp.cordis.europa.eu/pub/esfri/docs/esfri-roadmap-report-26092006\\_en.pdf](ftp://ftp.cordis.europa.eu/pub/esfri/docs/esfri-roadmap-report-26092006_en.pdf). FAIR and Spiral2 appear on the list of "mature projects", DAΦNE 2 under "emerging projects". The next goal is to develop DAΦNE 2 into a mature project and get EURISOL on the list as well.

- ECFA and CERN Council Strategy Group: The CERN Council Strategy Group, who acts as the ESFRI Working Group on High Energy Physics. has published "The European strategy for particle physics"; it can be found under <http://council-strategygroup.web.cern.ch/council-strategygroup/>. Collaboration with NuPECC in areas of mutual interest is explicitly mentioned B. Fulton will attend the next ECFA Meeting on November 30 and December 1, 2006, at CERN, and give a report on NuPECC, see also point 4.

- IUPAP C12 / OECD – GSF: The C12 working group will publish its world-wide survey of facilities beginning of 2007; B. Fulton and J. Simon-Gillo (DOE) are working on the survey of

personnel; by the end of 2007, after 4 meetings altogether, the GSF will come up with a global roadmap assessing the situation.

- Survey of Small Scale Facilities: B. Haas presents his updated compilation of small scale facilities; it can be found on the NuPECC Website under <http://www.nupecc.org/presentations>. The facilities can be grouped according to their programmes such as neutron physics, microbeams and astrophysics. The first two communities are already quite well organised in networks (e.g. EFNUDAT in FP6); for astrophysics the formation of a network is recommended. The Working Group (J. Dobeš, B. Haas, S. Harissopulos, H. Leeb, J. Styczeń and V. Zamfir) is asked to prepare a proposal for a workshop with representatives of all the facilities for further discussion. This could be done within the framework of EWON (see below).

- NSAC: B. Fulton was informed by R. Tribble that NSAC has been charged with the preparation of a new long range plan which is due on April 30, 2007. B. Fulton will be invited to attend the NSAC Meeting envisaged for end January / beginning February 2007..

- EWON: R. Čaplar reports on the EWON (East-West Outreach Network) Meeting held in Zagreb on October 20 – 21, 2006.; about 20 people from 10 countries from Poland to Turkey participated. For the mapping of the facilities, close collaboration with the SSF Working Group is recommended (see above). 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)).

- Data Evaluation: D. Lunney sent a Letter of Intent for a Nuclear Data Evaluation Network; it can be found on the NuPECC website under <http://www.nupecc.org/presentations>, see also point 4. The group is encouraged to discuss a possible application within the next IA of the EURONS community – this would have to be done on a much more moderate financial basis – and investigate other means of funding within EURATOM or in other programmes within “Capacities”. A possible involvement of IAEA should also be pursued.

## 20. Next meeting(s)

The next NuPECC meetings will be held

on March 16 and 17, 2007, at ECT\* Trento

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, November 16, 2006



(Gabriele - Elisabeth Körner)