

**Minutes**  
**of the Fifty-Ninth Meeting of the Nuclear Physics European Collaboration Committee**  
**(NuPECC)**  
**held on June 22 / 23, 2007, in München**

Participants:

- C. Amsler
- J. – P. Blaizot
- T. Bressani
- P. Bressler (ESF)
- R. Čaplar
- J. Dobeš
- S. Dürr (ESF)
- G. Fortuna
- B. Fulton (Chairman)
- J. J. Gaardhøje
- D. Goutte
- D. Guillemaud – Mueller
- H. - Å. Gustafsson
- B. Haas
- M.N. Harakeh
- S. Harissopulos
- P. - H. Heenen
- W. Henning
- G. - E. Körner (Scientific Secretary)
- A. Krasznahorkay
- J. Kvasil (EPS/NPB)
- T. Peitzmann
- A. Poves
- G. Rosner
- H. Ströher
- J. Styczeń
- J. Wambach
- V. Zamfir

A. Eiró, R. Julin, D. Röhrich and E. Widmann 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) ISOLDE – status and future plans
- 13) Nuclear Physics in FP6 and FP7
  - Report on EURONS plus plans for new I3 bids
  - Report on I3HadronPhysics plus plans for new I3 bids
  - Report on EURISOL Design Study and plans for FP7
  - Status of FAIR and update on FP7 Construction bid
  - Status of SPIRAL-2 and update on FP7 Construction bid
  - NuPNET update
- 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
  - NSAC
  - Data Evaluation
  - Evaluation Panel for FP7
- 16) Meetings in 2008

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

NuPECC is welcomed by the Vice-president of the Universität der Bundeswehr, U. Borghoff. Presentations are given on various nuclear physics activities in München. The files of all the presentations can be found on the NuPECC website under <http://www.nupecc.org/presentations>. B. Fulton explicitly expresses the thanks of NuPECC to R. Krücken, W. Weise, D. Habs and G. Dollinger for their presentations as well as G. Dollinger and T. Wüstrich for hosting the meeting.

## **2. Fixing the agenda**

The accepted agenda is given on page 2. Due to time constraints, points 12 and 13 except for the 1<sup>st</sup> item as well as point 15 4<sup>th</sup> and 5<sup>th</sup> items are treated on Friday, June 22.

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

The minutes of the fifty-eighth meeting held on March 16 / 17, 2007, at ECT\* Trento, are agreed upon with the following changes: on page 3 under point 4 at the end of the 6<sup>th</sup> item, “e-H” has to be replaced by “e-hadron”; on page 4 under point 5, 2<sup>nd</sup> paragraph, “(ESF)” has to be added after “Halliday”; on page 6, 3<sup>rd</sup> paragraph, 3<sup>rd</sup> line ”DESIRE” has to be replaced by “DESIR”; on page 7 under point 15, 2<sup>nd</sup> item, “now” has to be replaced by “no”. With these modifications the minutes will be put on the NuPECC Website as they are.

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

Since the last meeting on behalf of NuPECC B. Fulton has:

- written to thank J.-P. Blaizot for hosting the meeting at ECT\* as well as to the Science Minister, the President of the Bruno-Kessler-Foundation and the Rector of the University
- submitted the names proposed as Expert Evaluators for the FP7 programme assessments (S. Bertolucci, W. Gelletly, F. Iachello, P. Kienle, R. Milner, D.-O. Riska, I. Sick, R. Siemssen and T. Walcher)
- sent the letter NuPECC agreed upon to the German Science Ministry expressing NuPECC’s view of the need for urgency in starting the full FAIR project; a copy of the letter is enclosed with the minutes
- as agreed at the last meeting, sent a letter to the Directors of the large laboratories noting the benefits to the laboratories of providing support to the AGATA project; B. Fulton is asked to follow the letter up discretely
- asked M.N. Harakeh to represent NuPECC at the meeting of the ESF PESC committee in Copenhagen on April 27, 2007 (see point 5 of the agenda)
- found out that NuPECC will not be asked by ESF to prepare a Forward Look at this time
- approved the involvement of NuPECC in an FP7 bid which the PANS team is submitting to the “Science and Society” instrument (see point 9 of the agenda)
- sent a letter to the Secretary General of the Greek Funding Agency (GSRT) expressing pleasure at their joining the NuPNET activity and in the context of the preparation of the Greek Science Roadmap drawing their attention to the ESFRI listed projects in nuclear physics and the comments in the NuPECC Long Range Plan 2004 regarding the need to support small scale facilities; a copy of the letter is enclosed with the minutes
- agreed to give a presentation at the joint EURONS/EURISOL Town Meeting in Helsinki on September 17 – 21, 2007, on NuPECC’s view on planning for FP7, the international scene and NuPECC’s thinking on the next Long Range Plan

- been engaged in an e-mail exchange relating to data evaluation networks (see point 15 of the agenda)
- had a phone meeting with D. Guillemaud-Mueller and G.-E. Körner in Orsay on April 19, 2007, to decide on presentation and interpretation of the data of the NuPECC Survey 2006 (see point 10 of the agenda)
- attended a meeting of the NuPNET Writing group in Frankfurt on March 19, 2007 (see point 13 of the agenda)
- attended a meeting of the OECD Global Science Forum on May 10 – 11, 2007, in Tokyo (see point 15 of the agenda)
- attended a meeting of the IUPAP Working Group 9 on Nuclear Physics in Tokyo on June 3, 2007, (see point 15 of the agenda)

## **5. ESF**

P. Bressler reports on present ESF activities and his views on the “Green Paper – The European Research Area: New Perspectives” just published by the European Commission; his presentation can be found on the NuPECC Website under <http://www.nupecc.org/presentations>.

At the last PESC Meeting on April 27, 2007, in Copenhagen, M. N. Harakeh represented NuPECC and reported on its activities, his presentation can be found on the NuPECC Website under <http://www.nupecc.org/presentations>. The CEO called for a meeting to be held on July 2, 2007, in order to discuss the role of Expert Committees within ESF; there seems to be no agenda to change this role.

## **6. ECT\***

At the last meeting of the Board of Directors on June 16, 2007, two new members were proposed to be nominated: P. Haensel (Warsaw) to replace F. Thielemann and S. Hands (Swansea) to replace F. Karsch. NuPECC approves their nomination.

J.-P. Blaizot reports on discussions with ESF to act as collector of funds; the redrafted MoU should be more explicit for individual institutions; ECT\* sent a Letter of Intent to EURONS and will also apply to HadronPhysics; a successor has to be found for J.-P. Blaizot whose term ends in fall; he will continue until a solution is found; the evaluation committee for the funding agencies chaired by F. Iachello is progressing with its work.

## **7. NuPECC Budget**

S. Harissopulos presented the budget for 2007; a copy of his papers is enclosed with the minutes. ESF will be asked for a printout of the status at the end of 2006. It is agreed upon that – if necessary – resources from NuPECC may be used for the NuPECC meeting in Zagreb in June 2008.

## **8. Nuclear Physics News**

P. - H. Heenen reports on the changes in the Editorial Board and the list of correspondents; his presentation can be found on the NuPECC Website under <http://www.nupecc.org/presentations>.

NuPECC approves the nomination of Tullio Bressani as new member of the Editorial Board.

The NuPECC Members are asked to come up with proposals for new correspondents, as well as to continue to contribute proposals for articles.

## **9. PANS**

The application for the exhibition on “Nuclear Science and Cultural Heritage” by the PANSART group chaired by C. Leclercq-Willain has been submitted on May 21, 2007. S. Harissopoulos reports on the proposal; his presentation can be found on the NuPECC Website under <http://www.nupecc.org/presentations>.

## **10. NuPECC Survey 2006**

Due to time constraints this will be discussed at the next NuPECC meeting in Bucharest on October 26 and 27, 2007.

## **11. ECOS**

The lay-out procedure is in progress, a proposal for the cover page is shown at the meeting. The report will be published on the NuPECC Website; printed copies will be sent to Funding Agencies, Lab Directors, Boards of EURONS and EURISOL and to the participants of the ECOS Town Meeting. NuPECC allocates 10 k€ for the printing costs.

The ECOS Working Group sent LoIs for a JRA and a network to EURONS2.

## **12. ISOLDE – Status and Future Plans**

P. Butler reports on the status and future plans of ISOLDE; his presentation can be found on the NuPECC website under <http://www.nupecc.org/presentations>.

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

- A.C. Mueller reports on the Letters of Interest received by EURONS; his presentation can be found on the NuPECC website under <http://www.nupecc.org/presentations>. The call for LoIs has generated 13 requests for Trans National Access, 38 requests for Joint Research Activities and 23 requests for Networks. These numbers clearly exceed the anticipated volume of the call – about 10 M€ per initiative with about 5 JRAs intended to improve the infrastructures – thus NuPECC is asked for advice.

B. Fulton is mandated to choose 3 – 4 colleagues to form an advisory group which together with A.C. Mueller will look into the LoIs and give recommendations to the community as to i) what a sensible number of TNA, JRA and Network bids would be, ii) what sort of size (money) these should be and iii) which JRAs and Networks might consider merging. Since the deadline for submission has been brought forward from May 2, 2008 to February 15, 2008, this process will have to happen before the EURONS/EURISOL Town meeting in Helsinki on September 17 – 19, 2007.

The other members of the group are G. Fortuna, P.-H. Heenen and V. Zamfir. These recommendations are clearly meant as advice, not as dictate from NuPECC; the decision on which bids will be included will be made by the project coordinator and a writing committee. The procedure for appointing these will be agreed by the community at the Town Meeting.

- G. Rosner reports on the meetings of the Science Advisory Committee, Governing Board and Management Board of HadronPhysics in Frascati on June 1 – 2, 2007. It was decided that the new initiative HadronPhysics2 will be co-ordinated by INFN with C. Guaraldo as Project Manager. A Call for Proposals will be sent out beginning of July with a deadline September 15, 2007. These will then be discussed at the HadronPhysics Town Meeting in Frascati on September 28 – 30, 2007.

- P. Butler reports on the status of the EURISOL Design Study and future plans for FP7; his presentation can be found on the NuPECC website under <http://www.nupecc.org/presentations>. Primary goal should remain to get EURISOL on the ESFRI List as an “embryonic project”. LoIs are sent for a Network and a JRA in EURONS2. It is felt that it is time again to explore links and synergies with other communities (ESS, transmutation,  $\beta$ -beams)
- W. Henning reports on the status of FAIR; the roadmap announced by the BMBF foresees groundbreaking for the FAIR project on November 7, 2007. This means the start of the full project (Phase A); there will be a reduced Phase B if the 25 % contribution from outside will not be reached. The FAIR Joint Core Team will receive 6.9 M€ funding from the EU as a CNI Preparatory Phase; proposals for design Studies will be submitted by three collaborations (FLAIR, PAX, proton-antiproton collider). The NuPECC Members are encouraged to remind their respective funding agencies that this project is what the community wants.
- M. Harakeh (Chair of the Spiral2 SAC) reports on the progress of SPIRAL 2; the final project has been defined with a total budget of 129 M€ (20 M€ to come from outside sources). For management and R&D for equipment, 5.5 M€ will be requested within the CNI Preparatory Phase.
- The NuPNET proposal has been submitted on May 2, 2007; the evaluation should take place by the end of May, the evaluation summary report will be sent by early July, thus by end of July it will be known whether NuPNET is accepted or rejected.

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

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

The draft prepared by M.N. Harakeh has been circulated; due to time constraints it will be discussed at the next NuPECC Meeting.

#### **15. Miscellaneous**

- EPS/NPB: J. Kvasil will report at the next NuPECC Meeting.
- ESFRI: There are no new developments.
- ECFA: There are no new developments.
- IUPAP C12 / OECD – GSF: B. Fulton’s notes on the IUPAP Working Group 9 Meeting held in Tokyo on June 3, 2007, and the OECD GSF Meeting held in Tokyo on June 16, 2007, are enclosed with these minutes. The IUPAP facilities brochure has been published; W. Henning has agreed to take care of the distribution within Europe from GSI. It can also be found at [www.jlab.org/~sbrown](http://www.jlab.org/~sbrown). In a year from now, an update is planned with a new questionnaire.
- Survey of Small Scale Facilities: A Workshop for all interested parties will be held on September 7 and 8, 2007, on Crete, featuring nuclear astrophysics, nuclear structure and microprobes for various applications. The outcome will be presented at the EURONS/EURISOL Town Meeting in Helsinki.
- NSAC: A draft of the new Long Range Plan has appeared; R. Tribble will attend the next NuPECC Meeting and give a report.

- Data Evaluation: The imbalance between the efforts in the US and Europe is pointed out. Two lines of action are proposed to try to improve the situation: in order to alert the community an article should be published in the next issue of Nuclear Physics News; in order to alert the funding agencies, NuPNET as the body where almost all of them are present should be approached. The organising committee of the EURONS/EURISOL Town Meeting will be approached to allocate some time for a presentation; A. Nichols (IAEA) will be invited to attend the next NuPECC Meeting to present the case.

## 16. Next meeting(s)

The next NuPECC meetings will be held

on October 26 and 27, 2007, in Bucharest

on March 7 and 8, 2008, in Madrid

on June 13 and 14, 2008, in Zagreb

(in October 2008 in Glasgow)

München, July 16, 2007



(Gabriele - Elisabeth Körner)