

# **Minutes**

**of the Forty-Sixth Meeting of the Nuclear Physics European Collaboration Committee**

**(NuPECC)**

**held on February 14 / 15, 2003, in Leuven**

Participants:

- Ch. Bargholtz
- T. Bressani
- J. Dobeš
- J. Durell
- A. Eiró
- G. Fortuna
- B. Fulton
- D. Goutte
- D. Guerreau
- M. Harakeh
- W. Henning
- M. Huyse
- J. Jastrzebski
- R. Johnson (EPS)
- R. Julin
- G.-E. Körner (Scientific Secretary)
- H. Leeb
- G. Løvhøiden
- K. Riisager
- H. Ströher
- G. van der Steenhoven
- W. Weise (ECT\*)
- N. Williams (ESF)

C. Amsler, D. Guillemaud – Mueller, M. Lozano and T. Walcher could not attend.

## Agenda

- 1.) Minutes of the Last Meeting
- 2.) Report of the Chairman
- 3.) Relation with ESF
- 4.) Budget 2002 / 2003
- 5.) Nuclear Physics News
- 6.) PANS
- 7.) FP6: Integrated Initiatives
- 8.) NuPECC Long Range Plan 2003
- 9.) Miscellaneous
  - EPS
  - ECFA
- 10.) Next meeting(s)

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

The minutes of the forty-fifth meeting held on December 6 and 7, 2002, in Mainz are agreed upon without changes.

## **2. Report of the chairman**

M.N. Harakeh welcomes the new Members R. Julin, H. Ströher and G. van der Steenhoven, the guests J. Vervier and C. Guaraldo and the EPS-NPB representative R. Lovas.

The NuPECC Report on Impact, Applications, Interactions has been printed; 200 copies were sent to each Convenor, 50 copies to each NuPECC Member. Since several NuPECC Members wanted to send the report to their funding agencies themselves, no central mailing was made. Those NuPECC Members who do not wish to do it themselves are asked to contact G.-E. Körner who will then send the copies according to her mailing list.

M.N. Harakeh attended the meeting of the I3NS Writing Committee on December 7, 2002, in Mainz, as Chairman-elect. A.C. Mueller (IPN Orsay) was chosen as Co-ordinator, GSI Darmstadt as Co-ordinating Institution. The next meeting was convened by A.C. Mueller on January 31, 2003, at GSI Darmstadt. J. Vervier will report on I3NS under point 7 of the agenda.

M.N. Harakeh participated in the meeting of I3HP in Frascati on January 13, 2003. C. Guaraldo succeeded to get the three communities involved together and also managed to introduce cuts in the present requests. He will report on I3HP under point 7 of the agenda.

On January 27, 2003, M.N. Harakeh, C. Guaraldo, A.C. Mueller and J. Vervier met with D. Pasini in Brussels. D. Pasini proposed to merge the two proposals since the reason for having two, a ceiling in budget for one proposal of ~35 M€, has been taken away. It was deemed too late at this stage of progress, but proposed to work together afterwards.

The Town Meeting for the Long Range Plan 2003 was held at GSI Darmstadt from January 30 to February 1, 2003, and attended by several NuPECC Members. This will be discussed under point 8 of the agenda.

## **3. Relation with ESF**

N. Williams reports on ongoing activities within ESF such as the meeting with the new PESC Chairman, ?. Marechal; the contract from the Commission for the co-ordination of EUROCORES; the negotiations on the transfer of the cost action from the Commission to ESF; and the EURESCO conferences. Here, a block grant to ESF is envisaged within FP6, but more training activities at postgraduate level are requested, which does not coincide with the original scope of the conferences.

No official letter has been sent to NuPECC yet concerning the upcoming review, but the draft by N. Williams that was distributed to all NuPECC Members can be considered as final, and work can start already now. This will be performed by the NuPECC Chairman and Scientific Secretary. For the 1 seat in the review committee that may be suggested by NuPECC, the former Chairmen S. Galès and P. Kienle are proposed.

On the day before the meeting, M.N. Harakeh received a letter from E. Banda asking for answers to the questions whether the absence of a European Research Council has caused damage in the past

and whether the community could benefit from an ERC in the future. The field of neutrino physics is identified as one that has lost out in the past; EURISOL is pointed out as a project that could benefit from an ERC in the future.

Although NuPECC's attitude towards an ERC in general is positive, worries are expressed about the operation of an ERC, in particular the question if the funds would be taken away from the national research budgets and would not come from other sources, such as e.g. the CERN Subscription that in many member states is coming from the foreign affairs budget. M.N. Harakeh will send a corresponding letter to E. Banda, supported by W. Henning for the neutrino physics and G. Fortuna and D. Goutte for EURISOL by March 6, 2003.

#### **4. Budget 2002 / 2003**

B. Fulton elaborates on the final budget for 2002 and the proposed budget for 2003; copies of his transparencies are enclosed. Both are approved by NuPECC.

#### **5. Nuclear Physics News**

M.N. Harakeh reports on the last meeting of the Editorial Board held on December 7, 2002, in Mainz; M. Huyse will take over from the next meeting on. The Editorial Board welcomes the decision by NuPECC to continue publication with Taylor & Francis, not to move to Old City Publishing whose offer was considerably more expensive.

EPS announced that they are willing to pay the promised 5000 €, but as a one-time contribution only. NuPECC expects to continue publishing Nuclear Physics News and hopes that EPS continues their payment. This is supported by the Nuclear Physics Board of EPS.

In order to facilitate rotation of board members who attend the meetings only scarcely NuPECC suggests a 3-years term with one renewal.

#### **6. PANS**

C. Bargholtz reports on a proposal, which PANS was invited by A.C. Mueller to submit within the networking activities of I3NS. A network of young scientists should be set up at the Research Infrastructures, who would be educated in current research and trained in special seminars so they will be able to present the research being carried out at the RIs within and outside their community. The role of PANS here would be a co-ordinating one. The material produced in the process could then also be used more widely.

The present PANS contract will end on July 31, 2003; at the next meeting in Bergen on May 9 – 10, 2003, a resume will be drawn and the next proposal within "Science & Society" will be discussed.

The first workshop of NUPEX will be held on February 24 – 25, 2003, in Graz. A copy of the agenda is enclosed.

Several contracts have been signed or are in preparation for translating the PANSBOOK into other languages, such as Czech, Hungarian, Serbian, Swedish, Dutch and Portuguese.

The material prepared for PANSWEB is now available under [http:// www.hmi.de/bereiche/SF/SF7/PANS/deutsch/PANS\\_deu\\_frame.html](http://www.hmi.de/bereiche/SF/SF7/PANS/deutsch/PANS_deu_frame.html).

## **7. FP6: Integrated Initiatives**

J. Vervier (instead of A.C. Mueller who could not attend) and C. Guaraldo report on the status of the two initiatives I3NS and I3HP; copies of their presentations are enclosed.

Concerning the inquiry of the Bergen Computational Centre to join I3NS as a Research Infrastructure, NuPECC recommends to invite them as network partner, not as RI.

The Mapping Studies of NuPECC within I3NS comprise projects on

- the dissemination of the brochure prepared within FINUPHY
- a study on the shortage of nuclear skills Europe is facing and
- the new Long Range Plan.

The Polish Network is strongly advised to refrain from a pure national initiative and join the SEEnet or at least include the Czech and Hungarian communities in their proposal.

In general, NuPECC points out that the low fraction of funds for RIs (655 M€; this includes up to 200 M€ for further development of Géant and GRID) in the total budget of FP6 (17,5 G€) should be reconsidered in the future, in particular in view of the fact that the vast majority of those funded in the Priority Themes is using the RIs, but not contributing to R&D serving their improvement.

M.N. Harakeh thanks J. Vervier and C. Guaraldo on behalf of NuPECC for their efforts.

## **8. NuPECC Long Range Plan 2003**

By middle of December 2002, five of the six draft reports were put on the NuPECC website in order to allow for people to read them before the Town Meeting scheduled for January 30 to February 1, 2003, at GSI Darmstadt. P. Mandò accepted the task of Convenor for the “applications” working group, and a first draft report was on the web right before the Town Meeting. It was attended by about 300 participants from 21 European countries including many NuPECC Members.

The programme can be found on the NuPECC website; after a special session on “facilities” the six draft reports were presented by the Convenors, complemented by some contributions - also available on the NuPECC website - , round up by an hour of discussion each. In addition, J. Symons gave a presentation of last year’s NSAC Long Range Plan. In the final 2-hour discussion, M.N. Harakeh re-iterated and converged the various recommendations given by the working groups.

NuPECC sets up an Editorial Committee, with the following members: M.N. Harakeh, D. Guerreau, W. Henning, M. Huyse, H. Leeb, K. Riisager and G. van der Steenhoven. The Editorial Committee will prepare the introduction, the section on facilities and the recommendations to be discussed at the next NuPECC Meeting. NuPECC, as communicated to the Convenors in the charge letter of J. Äystö, has the final responsibility for the report and therefore reserves the full rights to make any changes if it feels necessary after the final group reports are submitted.

For the facilities section, M.N. Harakeh will ask the directors concerned for a short contribution on their RI. It will include the GSI New Project, Spiral II, Rex-Isolde, SPES, EURISOL as well as the existing Research Infrastructures. The existing RIs will each get half a page, whereas the future facilities will each get around 2 - 2 1/2 pages except for the GSI New Project which will get 3-4 pages.

For the group reports section, the Convenors are asked to provide NuPECC with a revised version of their report, taking into account the discussions at the Town Meeting and the recommendations by NuPECC, by the end of April 2003. In the preliminary recommendations, the following priorities have been set:

Aside from the general recommendation regarding the exploitation of the existing facilities, strengthening the university groups as well as theory, GSI New Project will get the highest priority, followed by EURISOL. However, because of the time-line for EURISOL there are projects which have intermediate planning and will be realised on a shorter time-scale. These will have high priority, for example, Spiral II and SPES. The high-power p(d) accelerator should be considered in combination with EURISOL. It is clear that such an accelerator is desired by various communities, and therefore we should combine the efforts to do RTD and design work on this. The 5 MeV underground accelerator should be realised. Last but not least, NuPECC considers the physics with a multi-GeV electron accelerator very interesting and of high scientific potential. Therefore, NuPECC stimulates the community pursuing this research to define the outlook and opportunities also within an international perspective. Furthermore, NuPECC will not set priorities on the various instrumentation and detection facilities required to carry on the various programs. However, mention of these in the opportunities and outlook parts of the group reports is possible.

All Convenors are asked to comply with the following guidelines:

- All reports should be written in Latex and in 12pt fonts.
- All reports should be between 20 and 25 pages. 25 pages is really the hard maximum limit including figures and boxes. Any thing longer than that will be cut by the NuPECC editorial committee.
- Of course, the convenors should explicitly mention and motivate the opportunities and outlooks for their fields. The outlook section of each group report should include the priorities. However, these priorities given in the various group reports should not be numbered but may be given with bullets. Be aware of the priorities that are already made by NuPECC. The priorities in the group reports should not be in disagreement with those.
- The use of boxes is strongly recommended. Two reports make use of that already and it would look more homogeneous to use them in all. Moreover, they could be used as an efficient method to reduce the text.
- Cross referencing to other group reports should be made where necessary. This implies that the convenors should communicate with each other about what should be kept in which group report.
- Furthermore, the NuPECC liaison officers should be in close contact with the convenors to facilitate this last step of editing.

## **9. Miscellaneous**

- ECFA: G. van Middelkoop and A. Wagner have left NuPECC, so there is no more a representative in ECFA. G. van der Steenhoven will consider acting as NuPECC Observer; a decision will be taken at the next NuPECC meeting.

- EPS: There was no meeting of EPS/NPB since the last NuPECC meeting, so no news to report.

**12. Next meeting(s)**

The next NuPECC meetings will be held on

June 27 and 28 in York

December 5 and 6 in Frascati

München, March 12, 2003



(Gabriele-Elisabeth Körner)