

**Minutes of the Round Table Meeting of the
Infrastructure Co-operation Network FINUPHY
(Frontiers in Nuclear Physics)
held on February 27 – 28, 2003
in Catania, Italy**

Participants were: R. Broda, Krakow, Poland; P. Butler, ISOLDE, CERN; J. Cornell, GANIL Caen, France; C. Ekström, Uppsala, Sweden; G. Fortuna, Legnaro, Italy; D. Goutte, GANIL Caen, France; J.P. Grandin, CIRIL Caen, France; D. Grzonka, Jülich, Germany; R. Julin, Jyväskylä, Finland; K. Kilian, Jülich, Germany; G.-E. Körner, NuPECC, Europe; R. Leonardi, ECT*, Europe; A.C. Mueller, Orsay, France; D. Müller, GSI Darmstadt; T. Nilsson, ISOLDE, CERN; Switzerland; G. Ryckewaert, Louvain-la-Neuve, Belgium; C. Scheidenberger, GSI Darmstadt, Germany; W. Scobel, Hamburg, Germany; J. Soares, Lisbon, Portugal; O. Tengblad, Madrid, Spain; D. Vernhet, Paris, France; A. van den Berg, KVI Groningen, The Netherlands; J. Vervier, Louvain-la-Neuve; Belgium;.

Apologies have been received from B. Fulton, York, UK; M.N. Harakeh, Groningen, The Netherlands; W. Henning, GSI Darmstadt, Germany; G. Münzenberg, GSI Darmstadt, Germany; R. Page, Liverpool, UK; D. Pasini, DGXII, Brussels, EU; K. Riisager, Aarhus, Denmark.

1. Minutes of the previous FINUPHY Round Table meeting at Trento, on October 28-29, 2002

The Minutes are adopted without changes.

2. Information from the European Research Infrastructures

D. Goutte reports on the decision for a detailed conceptual study of the SPIRAL-II project, which has received a budget and should be finished by mid-2004. SPIRAL is running; further planning foresees 6 times 2 weeks per year devoted to it.

P. Butler reports on the status of REX-ISOLDE; the upgrade to 2.2 MeV/u has been completed, first experiments are coming out, and the envisaged upgrade to 3.1 MeV/u will be realised during this summer.

The German government announced its decision to fund 75% of the GSI Future Facility; 25% (i.e. 175 M€) will have to come from sources outside Germany. This decision came earlier than expected.

3. Joint Scientific and Technological Activities and Studies of FINUPHY

3.1.) A General Science View of the Future Directions and Goals of Nuclear Physics

J. Vervier presents the transparency prepared by B. Fulton who could not attend, a copy of which is included in Appendix 3_1

3.2.) Interdisciplinary Use of Nuclear Physics Research Infrastructures

The presentation is given by J. Cornell; his transparencies appear in Appendix 3_2. For the distribution of the handbook, it is not seen as useful to take the mailing list for Nuclear Physics News which does not cover the community concerned. D. Vernhet will provide J. Cornell with a list of users; the facilities in the handbook will be asked to provide information of their users; the mailing will be done by GANIL. D. Goutte proposes to use possibly remaining funds for topical workshops such as the one proposed in appendix 3_2

3.3.) Heavy and Superheavy Elements

G. Münzenberg could not attend; a detailed presentation of this activity is expected at the next meeting.

3.4.) Instrumentation for RNB Facilities

The transparencies of the presentation by R. Julin are enclosed in Appendix 3_4.

3.5.) High-Resolution Multi-Photon and Electron-Pair Detection Systems

The transparencies of the presentation by A. van den Berg are enclosed in Appendix 3_5.

4. News from NuPECC

Copies of the presentation given by G.-E. Körner are enclosed in Appendix 4. NuPECC presents its main deliverable, the NuPECC Report "Nuclear Science in Europe: Impact, Applications, Interactions". Copies are available from the NuPECC Members and Scientific Secretary.

5. Status of the I3NS Proposal

Copies of the presentation given by A.C. Mueller are enclosed in Appendix 5. The name of the proposal is decided to be "EURONS". C. Scheidenberger from GSI Darmstadt will act as assistant to A.C. Mueller.

In response to the questions posed, FINUPHY unanimously decides that the overall budget of the proposal should not exceed 34 M€; in order to achieve this goal, the JRAs need to be cut by 25%; the TNAs will have to return to the numbers proposed by the Writing Group, the networking activities remain within the financial framework proposed. 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.

A meeting of all co-ordinators will be held on March 31, 2003, at GSI Darmstadt.

6. Opinions and Suggestions from the Users of Research Infrastructures

W. Scobel is missing documentation for students who intend to study nuclear physics abroad for some time. Part of this information can be found in the NuPECC Handbook “International Access to Nuclear Physics Facilities in Europe”, 4th edition, 1998; on page 72 – 97, addresses and contact persons for all nuclear physics institutes in the NuPECC Member Countries are listed. It is suggested to provide a list of the Marie Curie Training Sites on the FINUPHY Website; R. Julin and R. Leonardi are asked to provide J. Vervier with the relevant information.

O. Tengblad reports on the differences in procedures for access at the various Research Infrastructures and proposes to standardise it and to establish an “access license card”. A possible model could be the registration as a “CERN User”. This might be complicated due to the different legislation in the various countries. J. Vervier will write a letter to the lab directors asking them to name an expert in administration and radiation protection who could then meet and discuss the problem. This could even be considered within EURONS.

The problem of lack in manpower for running GASP at Legnaro while the EUROBALL detectors are coupled to the PRISMA spectrometer brought up by R. Broda is considered as a local problem which should be discussed with G. Fortuna.

7. FINUPHY Budget

Copies of the presentation given by D. Müller are enclosed in Appendix 7. At the next meeting, on the basis of the cost statement of October 1, 2003, a decision will be taken on whether another Round Table meeting will be held in 2004 and how the budget will be rearranged in order to accommodate the additional 30 k€ for NuPECC agreed upon at the Lisbon meeting.

8. Miscellaneous

D. Goutte reports on the last meeting of the EURISOL Steering Committee. A 3rd Town Meeting will be held on May 12 – 13, 2003, in Orsay; the two main points in the programme will be the presentation and discussion of the final report as well as the presentation and discussion of a EURISOL Design Study within FP6. In the organising committee are P. Butler, J. Cornell, D. Goutte, G. Fortuna, V. Frois and J. Vervier. The formal organisation of the EURISOL Design Study, carried mainly by the three laboratories interested as possible sites for EURISOL, i.e. GANIL, ISOLDE and LNL, will also be discussed.

9. Date and Place of the Next Round Table Meeting of FINUPHY

A tentative date and place for the next Round Table meeting of FINUPHY is December 1, 2003, starting at 10:00 a.m., at the GSI Darmstadt.

Garching, March 20, 2003
Gabriele-Elisabeth Körner