

Infrastructure Co-operation
Network

FINUPHY
(Frontiers In Nuclear Physics)

Bayeux, France

October 15-16, 2001

Agenda

1. Minutes of the previous Round Table meeting of FINUPHY at Jülich on May 21-22, 2001
2. Discussion on an Integrated Initiative in Nuclear Physics within the Sixth Framework Programme (FP6)
3. News from the participating Research Infrastructures (Proposals for 15mn. Contributions should be sent to Dominique Goutte (Goutte@Ganil.fr) and Jean Vervier (vervier@fynu.ucl.ac.be) by October 1, 2001)
4. News from NuPECC
5. Joint scientific and technological activities and studies within FINUPHY
 - 5.1 A general science view of the future directions and goals of Nuclear Physics
 - 5.2 Interdisciplinary uses of Nuclear Physics research Infrastructures
 - 5.3 Heavy and superheavy elements
 - 5.4 Instrumentation for Radioactive Nuclear Beam experiments
 - 5.5 High resolution multielectron and multiphoton detectors
6. Presentations of the newly supported RTD proposals (15 minutes each)
 - 6.1 Ion catcher
 - 6.2 TARGISOL
 - 6.3 NIPNET
 - 6.4 HITRAP
7. Opinions and suggestions from the Users of the Research Nuclear physics Infrastructures
8. Miscellaneous
9. Date and place of the next Round Table Meeting of FINUPHY

FINUPHY MEETING
CAEN – October 15 – 16, 2001

Château de Bellefontaine

SCHEDULE

Sunday 14 October

19:00 – 21:00 Welcome buffet

Monday 15 October

9:00 – 10:00	Meeting
10:00 – 10:30	« Norman » break
10:30 – 13:00	Meeting
13:00 – 14:30	Lunch
14:30	Visit of the GANIL
	Visit of a Calvados distillery
19:00	Dinner in the « Château du Breuil » in Pays d’Auge

Tuesday 16 October

9:00 – 10:00	Meeting
10:00 – 10:30	« Norman » break
10:00 – 13:00	Meeting
13:00 – 14:30	Lunch

**Minutes of the Round Table Meeting of the
Infrastructure Co-operation Network FINUPHY
(Frontiers In Nuclear Physics)
held on October 15-16, 2001
in Bayeux, France**

Participants to the Round Table:

J. Aystö, NuPECC, Europe ; P.A. Butler, Liverpool, UK ; P. Dendooven, KVI, Groningen, The Netherlands ; M. De Poli, Legnaro, Italy ; C. Ekström, Uppsala, Sweden ; G. Fortuna, LNL, Italy ; B. Fulton, York, UK ; D. Goutte, GANIL, Caen, France ; J.P. Grandin, CIRIL, CAEN, France ; D. Grzonka, Jülich, Germany ; F. Haas, Strasbourg, France ; M.N. Harakeh, Groningen, The Netherlands ; W. Henning, GSI, Darmstadt, Germany ; F.P. Hessberger, Darmstadt, Germany ; R. Julin, Jyväskylä, Finland ; K. Kilian, Jülich, Germany ; G.-E. Koerner, NuPECC, Europe ; R. Leonardi, Trento, Italy ; M. Lewitowicz, GANIL, Caen, France ; D. Mueller, GSI, Darmstadt, Germany ; L. Nilsson, Uppsala, Sweden ; K. Riisager, Aarhus, Denmark ; G. Ryckewaert, Louvain-la-Neuve, Belgium ; J. Soares, Lisbon, Portugal ; A.M. van den Berg, Groningen, The Netherlands ; D. Vernhet, Paris, France ; J. Vervier, Louvain-la-Neuve, Belgium ; W. Weise, Italy ; H. Wilschut, Groningen, The Netherlands.

Apologies were received from:

G. Muenzenberg (replaced by F.P. Hessberger), R. Page (replaced by A. Butler), W. Scobel and P. Van Duppen.

1. Minutes of the previous Round Table meeting of FINUPHY at Jülich on May 21-22, 2001

The ECT* contribution is missing in the minutes of the Julich meeting.

The minutes were approved without any other change.

2. Discussion on an Integrated Initiative in Nuclear Physics within the Sixth Framework Programme (FP6)

Jean Vervier briefly presents the main aspects of the Integrated Initiatives (I.I.) within FP6. Copies of his transparencies are enclosed as Attach 1.

On November 7th, the coordinators of the presently running Infrastructure Co-operation Networks have been convened at Brussels to present their comments and reactions on the proposed FP6 Research Infrastructure programme. The request to invite also the NuPECC chairman to this meeting has not been accepted by the EC administration.

The I.I. is discussed by the participants:

- NuPECC is preparing a new Long Range Plan. ELFE and the RIB-facilities are supported.
- W. Henning proposes to consider the enlargement of the concept of nuclear physics and to include new communities. There could be RTD proposals in High Energy Physics, Hadron Physics, ALICE, ELFE, This would of course require more money for Nuclear Physics.
Some of the participants have objections against such an enlargement within the existing FINUPHY. It is decided that NuPECC should take the lead in producing an I.I. and consult the different communities.
Given the relatively tight time scale to prepare the proposal, a first draft should be prepared for the end of 2002. The coordinator is asked to raise the question of the possibilities to enlarge the nuclear physics community and to get correspondingly more funding during the 7th November meeting.

Note: the later meeting has been postponed until the beginning of 2002. Contacts with M. Malacarne indicate: (1) that the general philosophy of the Draft document concerning Integrated Initiatives within FP6 is pretty well established and will not be substantially altered; (2) that the average levels of funding for the I.I. are likely to be close to the equivalent "cumulative" funding of presently supported actions for a group of facilities.

3. News from the participating Research Infrastructures

- 3.1. The First Radioactive Beam(s) and The First Experiment at SPIRAL, M. Lewitowicz.
Copies of the corresponding transparencies are enclosed as Attach 2.
- 3.2. Status report on REX – ISOLDE, J. Aystö.
Copies of the corresponding transparencies are enclosed as Attach 3.
Note: a first beam of ²⁰Na radioactive ions has been successfully accelerated on October 30, 2001, to 2 MeV/u.

4. News from NuPECC

J. Aystö reports on the Oslo meeting of NuPECC on September 14-15, 2001 and presents the scientific programme of the workshop on Impact and Applications of Nuclear Science, to be held at Dourdan on November 22-23, 2001.

Copies of his transparencies are enclosed as Attach 4.

M. Harakeh reports on the activities of NuPECC on the proposed GSI upgrade. On behalf of NuPECC, J. Aystö, D. Guerreau and M. Harakeh have sent a letter to the GSI director confirming NuPECC's strong endorsement on the GSI upgrade.

5. Joint scientific and technological activities and studies within FINUPHY

- 5.1 A general science view of the future directions and goals of Nuclear Physics, Brian Fulton (replacing A. Shotter, now at TRIUMF).

The goal is to have a professional science writer produce a short (~ 20 pages) document, based on the NuPECC report, aiming at science administrators, scientific advisers to policy makers and scientists from other disciplines. It is decided that contract negotiations shall be started with Nina HALL who already wrote on ILL, Neutron Science, ESA, Exotic Nuclear beams, LHC, A group consisting of M. de Poli, B. Fulton, M. Harrakeh, R. Julin and J. Vervier will interact with the science writer and follow the progresses of the document. The document should be updated by visits to Research Infrastructures, who are urged to also help with material, pictures, illustrations, examples etc. It will be originally written in English, and could be translated in other languages later on. The aim is to have it ready by the summer of 2002 and start production in the fall of 2002.

- 5.2. Interdisciplinary uses of Nuclear Physics research Infrastructures, D. Goutte.

Copies of the corresponding transparencies are enclosed as Attach 5.

- 5.3. Heavy and superheavy elements, F. P. Hessberger.

Copies of the corresponding transparencies are enclosed as Attach 6.

- 5.4 Instrumentation for Radioactive Nuclear Beam Experiments, R. Jülin.

Copies of the corresponding transparencies are enclosed as Attach 7.

- 5.5 High resolution multielectron and multiphoton detectors, M. Harrakeh

The RTD project associated with this activity has not been funded. A sum of 60 k€ is available for the organization of workshops. A first workshop will be held on 2 – 3 November, 2001, on "Strangeness Production". Among other things, the physics with these kind of detectors will be discussed. More information on this workshop can be found on the KVI website.

- 5.6 PANS, G.E. Körner. Copies of the corresponding transparencies are enclosed as Attach 8.

- 5.7. Reports

The coordinators of the various activities are requested to submit their respective contributions for the annual FINUPHY report to J. Vervier at the latest by 15 November 2002.

6. Presentations of the newly supported RTD proposals

6.1 Ion catcher, P. Dendooven.

Copies of the corresponding transparencies are enclosed as Attach 9.

6.2 TARGISOL, N. Lecesne.

Copies of the corresponding transparencies are enclosed as Attach 10.

6.3 NIPNET, H. Wilschut.

Copies of the corresponding transparencies are enclosed as Attach 11.

6.4 HITRAP, J.P. Grandin.

Copies of the corresponding transparencies are enclosed as Attach 12.

7. Opinions and suggestions from the Users of the Nuclear Physics Research Infrastructures

- D. Vernhet wishes to inform the community that, as a user of highly charged heavy ions for atomic physics, she is organizing an International Conference on this subject. This conference will take place in CAEN, in september 2002. About 300 participants from the EU, Japan and the USA are expected. This activity is clearly interdisciplinary but, due to this interdisciplinarity, it is difficult to find support.
- P. Butler asks where more information on these RTD projects is accessible. The Web site of the corresponding Coordinating Institutions is a possible source, as GANIL for EURISOL.
- P. Butler asks how funding for the participation of scientists from outside the project in some of the workshops on RTD projects can be obtained. This is up to the coordinator of each RTD project to invite third people if funds have been provided for this. In the framework of an integrated initiative, this could be easier.
- K. Riisager proposes that the user groups of the Research Infrastructures provide the information on their activities to FINUPHY. Some of them have already done that.

8. Miscellaneous

8.1. M. Weise informs that ECT* has become a Marie Curie Training Site. In the framework of a Ph. D. training programme, fellowships of 3 up to 12 months can be provided. More information is available on the ECT* web site.

It is suggested that FINUPHY gathers the coordinates of all Marie Curie Training Sites.

8.2. FINUPHY web site

A FINUPHY web site (<http://www.cyc.ucl.ac.be/finuphy>) has been started by the CRC at the time of the first meeting in Bruges.

The CRC agrees to keep updating the site mainly by means of links to information provided by the Research Infrastructures and the RTD projects through their respective web sites.

Information should be mailed to Carmen Angulo (angulo@cyc.ucl.ac.be) or to Guido Ryckewaert (Ryckewaert@cyc.ucl.ac.be).

8.3. Progress Report – Finance, D. Müller, J. Vervier

Information is needed as input for the first annual report for the period October 1, 2000 to September 30, 2001. The co-ordinators of the various activities within FINUPHY should follow the instructions given in the contract and state:

- the objectives of the activity ;
- the achievements during the period ;
- a comparison between the objectives and the achievements ;
- a list of the meetings and workshops organized within the activity ;
- the plans for the next year.

One or two pages per activity are expected.

Up to now 10 to 15% of the total amount of money has been spent.

Meetings and Workshops should be unambiguously identified by names and numbers to allow justification of all travel and subsistence costs.

Reimbursement for travels outside the EU can only be obtained if:

- the travels are needed to present results of the RTD ;
- the EC has authorized the travel upon proposal by the coordinator.

9. Date and place of the next Round Table Meeting of FINUPHY

The next meeting will be held in Lisbon, Portugal, on 8 and 9 April, 2002.

ECT* proposes that they organize the following meeting after the Lisbon one.

Louvain-la-Neuve, November 7, 2001

G. Ryckewaert

J. Vervier