

**Minutes**  
**of the Seventy - Fifth Meeting of the**  
**Nuclear Physics European Collaboration Committee (NuPECC)**  
**held in Sevilla on October 5 and 6, 2012**

Participants:

- Faiçal **Azaiez**
- Maria José Garcia **Borge**
- Angela **Bracco** (Chair)
- Jan **Dobeš**
- Jens Jørgen **Gaardhøje**
- Tord **Johansson**
- Ari **Jokinen**
- Gabriele – Elisabeth **Körner** (Scientific Secretary)
- Jan **Kvasil** (EPS/NPB)
- Adam **Maj**
- Alex **Murphy**
- Eugenio **Nappi**
- Joakim **Nystrand**
- Achim **Richter** (ECT\*)
- Christelle **Roy**
- Raimond **Snellings**
- Piet **Van Duppen**
- Jochen **Wambach**
- Eberhard **Widmann**
- György **Wolf**

Gheorghe **Cata-Danil**, Philippe **Chomaz**, Antonio **Fonseca**, Don **Geesaman** (NSAC), Sotirios **Harissopoulos**, Klaus **Jungmann**, Bernd **Krusche**, Đuro **Miljanić**, Paul **Nolan**, Horst **Stöcker**, Hans **Ströher**, Jean-Claude **Worms** (ESF) and Yanlin **Ye** (ANPhA) could not attend.

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## **1. Approval of the Agenda**

The accepted agenda is given on page 2.

## **2. Apologies for Absence**

Gheorghe **Cata-Danil**, Philippe **Chomaz**, Antonio **Fonseca**, Don **Geesaman** (NSAC), Sotirios **Harissopulos**, Klaus **Jungmann**, Bernd **Krusche**, Đuro **Miljanić**, Paul **Nolan**, Horst **Stöcker**, Hans **Ströher**, Jean-Claude **Worms** (ESF) and Yanlin **Ye** (ANPhA) could not attend.

## **3. Minutes of the Previous Meeting**

The minutes of the seventy-fourth meeting held in Copenhagen on June 15 and 16, 2012, are agreed upon without changes. They will be put as are on the NuPECC Website.

## **4. Chair's Business**

Angela Bracco welcomes the new member Alex Murphy, Tord Johansson back for Sweden and the guests Carlo Guaraldo, Günther Rosner, Marek Lewitowicz, Lucia Popescu, Max Klein, Alinka Lépine-Szily and Paolo Giubellino.

Angela Bracco attended the ESF Governing Council Meeting in Den Haag on September 27 – 28, 2012 – see also point 6.1 of the agenda.

Angela Bracco participated in the ANPhA meeting in Adelaide on August 3 and 4, 2012, and the IUPAP WG.9 meeting in Tokyo on August 17, 2012.

She attended the European Nuclear Physics Conference in Bucharest, September 17 to 21, 2012; in a session on facilities with reports on FAIR (Günther Rosner), Spiral2 (Marek Lewitowicz) and ELI-NP (Victor Zamfir) Angela Bracco covered the other relevant facilities and chaired the following discussion.

She attended the Open Symposium of the European Strategy Group for Particle Physics in Kraców on September 10 to 12, 2012, as an observer; additional NuPECC Members involved are Philippe Chomaz and Jens Jørgen Gaardhøje. NuPECC should be proactive there in pursuing the interests of the nuclear physics community – see also point 6.6. of the agenda.

Angela Bracco attended the ECT\* Scientific Board Meeting in Trento on September 29, 2012 – see also point 6.2. of the agenda.

NuPECC received a letter from Muhsin Harakeh asking for support for the new application of ENSAR in Horizon 2020 – see also points 6.2.1. and 6.2.2. of the agenda.

The presentation of Angela Bracco can be found in the Members' Area of the NuPECC Website.

Again, all NuPECC Members are asked to provide Gabriele-Elisabeth Körner with a pdf-file of their Curriculum Vitae or the URL of their personal website to be put on the NuPECC website.

## **5. External Activities**

### **5.1. EPS/NPB**

Jan Kvasil reports on the activities of the Nuclear Physics Board of EPS; his presentation can be found on the NuPECC Website.

### **5.2. Update on FP7**

#### **5.2.1. HadronPhysics towards Horizon2020**

Carlo Guaraldo reports on the activities of HadronPhysics; his presentation can be found on the NuPECC Website.

#### **5.2.2. ENSAR towards Horizon2020**

Marek Lewitowicz reports on the activities of ENSAR; his presentation can be found on the NuPECC Website.

NuPECC strongly supports both new applications.

### **5.3. Progress Construction**

#### **5.3.1. Short Update on FAIR**

Günther Rosner reports on the progress of FAIR; his presentation can be found on the NuPECC Website.

#### **5.3.1. Short Update on SPIRAL2**

Marek Lewitowicz reports on the progress of SPIRAL2; his presentation can be found on the NuPECC Website.

### **5.4. MYRRHA**

Lucia Popescu reports on MYRRHA; her presentation can be found on the NuPECC Website.

### **5.5. ALAFNA**

Alinka Lépine-Szily reports on the activities of ALAFNA; her presentation can be found on the NuPECC Website.

### **5.6. LHeC**

Max Klein reports on LHeC; his presentation can be found on the NuPECC Website. NuPECC discusses with Max Klein and Paolo Giubellino, the Spokesman of ALICE. While ALICE should finish its programme, R&D for LHeC is encouraged. No unrealistic time statements should be given and discussion should continue to avoid possible conflicts.

## **6. Internal Activities**

### **6.1. ESF**

Jean-Claude Worms could not attend; the presentation he intended to give can be found on the NuPECC Website.

The Expert Boards and Committees will remain in ESF until 2015. The structure of Science Europe is not fit to host them. ESF tries to set up a new legal frame to serve as implementing agent for the EBCs. This should not imply any extra cost for NuPECC.

### **6.2. ECT\***

Achim Richter reports on ongoing activities of ECT\*; his presentation can be found on the NuPECC Website. NuPECC unanimously approves the nomination of Judith McGovern as new Member of the ECT\* Scientific Board replacing Kris Heyde. Angela Bracco will send the corresponding letter.

NuPECCs thanks Achim Richter for his efforts and engagement for ECT\* with a certificate and a present.

### **6.3. Nuclear Physics News**

The next meeting of the Editorial Board will take place in Sevilla on October 6, following the NuPECC Meeting. Maria José Garcia Borge encourages the NuPECC Members to come up with suggestions.

### **6.4. PANS**

IAEA in Wien intends to prepare a position paper (or better public report) on the role of nuclear physics in cultural heritage, arts and archeology in collaboration with EPS/NPB; NuPECC is asked to contribute within the framework of PANS.

### **6.5. Budget**

Jens Jørgen Gaardhøje is appointed as new Treasurer succeeding Sotirios Harissopulos.

### **6.6. NUPEX**

Paul Nolan could not attend the meeting, thus all NuPECC Members are encouraged to send their comments on the first ideas towards a new website to be found under <http://ns.ph.liv.ac.uk/~msc1/nupex/> to him.

## **7. NuPECC Report “Nuclear Physics for Medicine”**

NuPECC will prepare a report on “Nuclear Physics for Medicine” for physicists and funding agencies; the report is intended as an assessment, not a strategy paper.

Angela Bracco and Gabriele-Elisabeth Körner prepared a compilation of all proposed names for the three working groups on hadron therapy, imaging and radioisotope production. The list was sent out before the meeting and is attached. Jan Dobeš, Alex Murphy and Ari Jokinen agreed to work as additional NuPECC Liaisons, respectively.

The envisaged timeline for the report is proposed as follows:

- a first draft should be available for discussion either at the NuPECC Meeting in Kraków on October 11 and 12, 2013 or at a general meeting in November / December 2013
- the final version should be approved by NuPECC in March 2014
- the printed volume should be ready in June 2014

For each Working Group, 5000 € are allocated as well as 10000 € for the general meeting.

Angela Bracco will send a letter to the conveners.

The report should then be used as input to a PANS activity.

## 8. AoB

Maria Borge points out the difficult situation of the Spanish nuclear physics community. She will prepare a draft for a letter of support to the Ministry from NuPECC.

## 9. Next Meetings

Please note that the next meetings of NuPECC will be held on

March 15 and 16, 2013, in Basel

June 8, 2013, at INPC Firenze and

October 11 and 12, 2013, in Kraków

München, November 9, 2012



(Gabriele - Elisabeth Körner)

**Nuclear Physics for Medicine**  
**Proposals from NuPECC Members**  
**Co-ordinator: Angela Bracco, Gabriele-Elisabeth Körner**

**Hadron Therapy:**

**NuPECC Liaisons: Adam Maj, Jan Dobeš**

**Convener: Marco Durante (GSI)**

**Co-convener: Sydney Galès (Orsay, FAIR)**

Members: Pawel Olko (Krakow), Dieter Röhrich (Bergen), Sytze Brandenburg (KVI), Giacomo Cuttone (LNS), Paolo Colautti (LNL) (BNCT), Sylvie Leray (Saclay), Dieter Schardt or Chiara La Tessa (GSI), Itzhak Kelson (Tel Aviv), Jürgen Debus (Heidelberg), Peter Thirolf (München), Marcus Bleicher (FIAS), Maribel Gallardo (Sevilla)

**Imaging:**

**NuPECC Liaisons: Faiçal Azaiez, Alex Murphy**

**Convener: José Manuel Udias (Madrid)**

**Co-convener: David Brasse (Strasbourg)**

Members: Piergiorgio Cerello (Torino), Jozsef Molnar (Debrecen), Helen Boston (Liverpool), Ian Lazarus (Daresbury), Alberto Del Guerra (Pisa), Wolfgang Enghardt (Rossendorf), Magdalena Rafecas (Valencia), José Maria Benlloch (Valencia), Peter Dendooven (KVI), Jürgen Gerl (GSI), Bo Cederwall (Stockholm), Katia Parodi (München), Frank Verhaegen (MAASTRO)

**Radioisotope Production:**

**NuPECC Liaisons: Piet Van Duppen, Ari Jokinen**

**Convener: Uli Koester (ILL)**

**Co-convener: Marie-Claire Cantone (Milano)**

Members: Ferid Haddad (Nantes), Mikael Jensen (Risø/Copenhagen), Jerzy Jastrzebski (Warsaw), Ondrej Lebeda (Řež), Dimitar Tonev (Sofia), Sotirios Harissopulos (Athens), Thierry Stora (CERN), Ferenc Tarkanyi (Debrecen), Bernard Ponsard (Mol)