

Progress Report NuPECC 2007

Meetings of NuPECC in 2007

March 16 and 17, at ECT* Trento, June 22 and 23, in München and October 26 and 27, in Bucharest

All meetings were started with a presentation of the situation of nuclear physics in the host country.

Nuclear Physics News

NuPECC continues to publish the quarterly magazine *Nuclear Physics News* successfully in its eighteenth year. Six thousand copies of *NPN* are being read in Europe, North and South America, Asia, and Australia. For 2008 NuPECC envisages also having all figures printed in color inside the magazine.

Working Group on High Intensity Stable Beams ECOS

The report of the Working Group ECOS (European Collaboration on Stable Beams) chaired by F. Azaiez (Orsay) was printed and also published on the NuPECC website under <http://www.nupecc.org/ecos/ECOS-Final.pdf>

NuPECC Long-Range Plan

There is a clear consensus that there had been no paradigm shifts in the field since the last NuPECC LRP in 2004, which had focused on the next decade. Moreover, many of the facilities advocated for support in the report (ALICE, FAIR, SPIRAL-2) are now either just starting operation or construction, so the plan is still on track. Therefore, the conclusion is that there is no case for starting a new LRP at this stage. NuPECC will re-visit this again next year.

Preparations for FP7

In line with the “NuPECC Roadmap for Construction of Major Research Facilities in Europe” (see [http://](http://www.nupecc.org/pub/)

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ERA-NET in Nuclear Physics

NuPECC will act as the scientific advisory body for NuPNET, an ERA-NET in nuclear physics, which was approved and will start its work on January 1, 2008.

PANS—Public Awareness of Nuclear Science

NuPECC continues its successful collaboration with the Nuclear Physics Board of the European Physical Society in this area. The proposal for an exhibition on “Nuclear Science & Cultural Heritage” featuring the input of nuclear physics to the analysis and conservation of pieces of art will be improved and resubmitted.

Survey on Resources in Nuclear Physics

The data collected in 2006 have been analyzed and are shown in the “NuPECC Survey 2006” on the NuPECC website under <http://www.nupecc.org/pub/survey2006.pdf>. The NuPECC Survey represents the European part of an international initiative pursued by the

Commission C12 (Nuclear Physics) of the International Union of Pure and Applied Physics IUPAP.

Small Scale Facilities

NuPECC established and published a list of Small Scale Facilities (see also <http://www.nupecc.org/ssf/>), which are not considered Major Infrastructures by the European Commission. Now a clearer picture of the whole network of these facilities is available. A workshop was held on September 7 and 8, 2007, on Crete. This created new contacts between groups and led to the application of a consortium from Croatia, the Czech Republic, Greece, Hungary, Poland, and Romania to apply for funding within FP7.

International Collaboration

Apart from the collaboration in IUPAP concerning resources (see earlier section), NuPECC contributed to the brochure on nuclear physics facilities worldwide, which can be found on the Web under www.jlab.org/~sbrown.

NuPECC participates in the nuclear physics working group of the Global Science Forum of OECD, which held meetings in Tokyo on May 10 and 11, 2007, and in Paris on November 5 and 6, 2007. The “NuPECC Survey 2006” (see earlier section) is also part of the agenda.

Reports from Outside Europe

R. Tribble, the new Chairman of the Nuclear Science Advisory Committee NSAC, reported on the status of nuclear physics in the U.S.

Additional information can be found on the NuPECC Homepage under <http://www.nupecc.org>

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