

## **C12 - Commission on Nuclear Physics**

### **Report from Hideyuki Sakai, Chair of C12**

The annual meeting of C12 was held at the Villa Vittoria, in Florence during the International Physics Conference (INPC) sponsored by IUPAP on June 3, 2013. 710 participants from 55 nations. 33 invited plenary talks: 8 female speakers. This meeting was followed by the annual meeting of the IUPAP Working Group 9 on International Cooperation in Nuclear Physics which was held at INFN(Frascati). The members of WG.9 were welcome as observers to attend the meeting of C12 and vice versa.

#### **1. IUPAP Young Scientist Prize**

Selection for the IUPAP Young Scientist Prize in the field of Nuclear Physics was concluded in March 2013 following a call for nominations which was made in early July 2012. There were 32 nominations (26 males and 6 females). Prizes was awarded to the three winners (2 males and one female) at a special session of the International Conference on Nuclear Physics (INPC2013) sponsored by IUPAP, held in Florence, Italy, on June 5, 2013. The detail selection process is described in the attached document (C12\_IUPAP\_YSP.zip).

#### **2. Conference recommendations**

At the annual meeting of C12, the following recommendations for the IUPAP conference sponsorship were suggested after the oral presentations from each organizer:

Conferences in 2014:

Category A support:

[1st priority]

Quark Matter 2014 (QM2014),  
Darmstadt, Germany, May 19-25 2014.

[2nd priority]

Particle and Nucleus International Conference (PANIC2014).  
Hamburg, Germany, August 24-29 2014.

Category B support:

[1st priority] Pre-approved last year.

Advances in Radioactive Isotope Science (ARIS2014)  
Tokyo, Japan, 1-6 June 2014.

[2nd priority]

Nuclei in Cosmos (NIC2014)  
Debrecen, Hungary, 300 participants, 7-11 July, 2014.

[3rd priority]

Spin Physics Symposium (SPIN2014)  
Beijing, China, 20-24 October, 2014.

[No support]

22nd European Few Body Conference (EFBC2014)  
(Regional but not international conference character)

[Future International Nuclear Physics Conference (INPC2016)]

C12 evaluated three bids received for hosting INPC2016 - Adelaide, Australia presented by Anthony Thomas (chair) - Institute of Modern Physics, Lanzhou-HIRFL, China, presented by Gouqing-Xiao (chair) - Tel-Aviv, Israel, presented by Israel Mardor (co-chair) After careful

deliberation, the C12 commission selected the site of the next INPC (INPC2016) to be in Adelaide, Australia. It should be noted that the INPC moves around the continents, America, Europe and Asia.

INPC2007 Tokyo, Japan

INPC2010 Vancouver, Canada

INPC2013 Florence, Italy

An application of INPC2016 for the IUPAP conference support will be made next year by the organizers for pre-approval.

### **3. New IUPAP-IUPAC Joint Working Party**

The new IUPAP-IUPAC Joint Working Party (JWP) established in last January 2012 is now considering the claims for the discovery of elements with atomic numbers 113, 115, 117 and 118 or heavier. It was informally announced that the work is progressing steadily.