

C11 Report to IUPAP Commission Chairs and Executive Committee

April 2018

Heidi Schellman, Chair IUPAP-C11 Commission

C11 Officers:

Chair: Heidi Schellman (2011) (2014) (2017) United States

Vice-Chair: Mihoko Nojiri (2014) (2017) Canada

Secretary: Florencia Canelli (2014) (2017) Switzerland

C11 Members:

Zhi-Zhong Xing (2014) (2017) China

Srubabati Goswami (2017) India

Dezso Horvath (2014) (2017) Hungary

Azwinndini Muronga (2017) South Africa

Johan Rathsmann (2014)(2017) Sweden

Antonio Zoccoli (2017) Italy

Raymond Volkas (2014) (2017) Australia

Marie-Helene Schune (2017) France

Sergio F. Novaes (2011) (2014)(2017) Brazil

Alexander Sorin (2017) Russian Federation

Brigitte Vachon (2017) Canada

C11 Associate members:

Appointment waiting for formation of Neutrino Panel

Since the General Assembly in October, 2017, the Commission has concentrated on 3 efforts.

- 1) Selection of the recipients for the C11 Young Scientist Prize
- 2) Engagement with conference organizers to implement the motions on diversity enacted at the General Assembly
- 3) Formation of the Neutrino Panel mandated by the General Assembly.

The Commission has met multiple times by phone and will meet in person at the ICHEP2018 meeting in Seoul, Korea the week of July 4-11 2018.

Selection of Young Scientist Prize Recipients

The Young Scientist Prize competition was run by incoming Commission Secretary Florencia Canelli with substantial technical assistance from CERN. Thanks to the existence of an efficient web interface and advertising to national and international organizations, we received 65 applications, up from 32 two years ago. Two young scientists have been selected and will be asked to give short presentations at the awards session of ICHEP2018 in July.

Implementation of General Assembly Resolution on Diversity

The ICHEP2016 conference set a benchmark for our field, with 50% of plenary speakers being female and an extremely well attended session on inclusion in HEP. This and the General Assembly resolution have been communicated to the organizers of future conferences, along with recommendations on best practices. In particular, proper reporting on gender and national balance requires that that data be acquired at registration.

We note that several 2017 conferences have not yet filed their conference reports and are now pursuing them. It would be helpful if the Vice-chair and Secretary received all conference reports as well as the Chair to assure orderly transitions at the triennial leadership transition.

Implementation of the General Assembly Resolution Implementing a Neutrino Panel

The 29th General Assembly RESOLVED to establish the Neutrino Panel, composed of nominees of C4, C11, C12, WG1, WG9 and WG10, under the supervision of those Commissions and Working Groups and coordinated by C11. The Neutrino Panel has a 3-year mandate “ to promote international cooperation in the development of an experimental program to study the properties of neutrinos and to promote international collaboration in the development of future neutrino experiments to establish the properties of neutrinos.” The Commissions and working groups have met by phone and composed a roster of neutrino physicists spanning the full range of neutrino physics. Appointment of Chairs and a formal charge is in progress.

Upcoming Conferences

Category A:

- International Conference on High Energy Physics (ICHEP 2018).

Category B:

- XXVIII Conference on Neutrino Physics and Astrophysics (Neutrino 2018).
- LHC Physics (LHCP) Conference.

Category C:

- History of the Neutrino.
- The XXIV International Baldin Seminar on High Energy Physics Problems "Relativistic Nuclear Physics and Quantum Chromodynamics".
- 10th International Workshop on Ring Imaging Cherenkov Counters.

Future upcoming conferences under C11 supervision in 2018 and beyond are:

- 2019 XXIX International Symposium on Lepton Photon Interactions at High Energies (LP) in Toronto (Canada).
- 2020, The 39th International Conference on High Energy Physics (ICHEP 2018) in Prague (Czech Republic).

We also expect future proposals from several other conference series. The Neutrino conference and the Baldin Seminar occur biannually and have been sponsored by C11 for many years. Technology and Instrumentation in Particle Physics (TIPP) occurs every 3 years while the International Conference on Particle Physics (IPAC) occurs annually. They are usually endorsed but do not receive financial support. LHCP was supported for the first time this year as a Category B conference.