

Minutes of IUPAP C-12 meeting: July 31, 2019

Scottish Event Campus, Glasgow

Participants:

Members: Claes Fahlander -C12 Chair

Ani Aprahamian (USA)

Maria Jose Garcia Borge (EU, Spain),

Iris Dillmann (Canada),

Fanny Farget (France),

Anna Mackova (Czech Republic)

Débora Peres Menezes (Brasil),

Eugenio Nappi (Italy),

Joachim Stroth (Germany),

Hirokazu Tamura (Japan),

Eberhard Widmann (Austria),

Yanlin Ye (China)

Observers/Guests/WG-9:

Navine Alahari (GANIL, France)

Faical Azaiez (iThemba, South Africa)

Jonathan Bagger (TRIUMF, Canada)

Angela Bracco (NuPECC)

Hideto En'yo (RIKEN, JAPAN)

Don Geesaman (ANL, USA)

Paolo Giubellino (GSI, Germany)

David Ireland (INPC Chair)

Ulli Koester (ILL, Grenoble, France)

Alinka Lépine-Szilý (Brazil)

Marek Lewitowicz (CAEN, NuPECC)

Kazuhiro Tanaka (KEK, Japan)

Anthony Thomas (U of Adelaide, past chair of WG-9)

Robert Tribble (BNL, USA)

Adriaan Fourie (Business Development Manager for conferences and meetings in Cape Town)

Mathias Wiedeking –(iThemba, South Africa)

Guoqing XIAO- Lanzhou, China

Agenda of the C12 meeting is attached

Open session – C12 & WG 9 members

All members and guests were welcomed by the chair of C-12, Claes Fahlander.

The minutes of the previous meeting from Bologna had been uploaded to indico in advance of the meeting in Glasgow. The minutes were unanimously approved with no suggested changes.

The IUPAP C&CC meeting was held in Vilnius, Lithuania from Oct. 31-Nov 2, 2018. C-12 was represented by Vice-Chair, Joachim Stroth. We had a report on the discussions from the C&CC meeting by Joachim Stroth. The slides from the report are attached. The next C&CC meeting is scheduled for October 1-3, 2019 in London.

Michel Spiro is the new IUPAP President elect and will lead IUPAP starting in January 2019. The finances of IUPAP are at 600,000 Euro with a 1.4M Euro in reserve. Major expenditures were conferences (30%) and commissions (30%).

IUPAP Memberships

Ukraine is very productive country (rank 21). Turkey resigned after human rights discussion.

WG-9 report was presented by Chair of WG9, Robert Tribble. R. Tribble reported that the Neutrino commission has gone silent. The WG9 symposium is held every other year and this year, we have one scheduled in London this week at the Notre Dame Gateway.

Report 41 was updated just before the Bologna meeting and it will be updated after the symposium in London. All information about nuclear physics laboratories worldwide is on the IUPAP WG9 webpage. There was a suggestion with unanimous consensus that the report should be more broadly publicized by a larger number of sources including IUPAP and perhaps APS division of Nuclear Physics (DNP).

The INPC-2019 report was presented by the Chair of the organizing committee, David Ireland. The INPC 2019 had 660 registered attendees. Ireland reported that the IOP underwrites the conference and therefore no financial concerns existed. The organizers had made a focused effort on making sure that lots of young people came and participated. This was expensive but a deliberate intent of the organizers to invite lots of young speakers.

Comments were made by several members present about the Anna Frebel talk with her baby in her lap. Enyo was impressed with Frebel talk with baby and inquired about childcare arrangements at the conference. Ireland responded that arrangements were possible but that Frebel chose to present with her baby. Dillmann added that this is normal in the Astronomy community. Peres Menedez also added that this was a nice touch and that men can and should also do it. Borges added that ARIS is making arrangements for childcare for the 2020 conference. Several comments were made appreciating the breadth of the invited talks at the INPC in Glasgow and the inclusion of a broad range of topics allowing many attendees and participants.

Associate Members to C-12 and other commissions and Working Groups

A report was presented by Claes Fahlander on the other commissions and working groups. Associate Members had been nominated and were willing to serve on various commissions. The suggested C-12 list of associate memberships included **C-14 for Education**, **C-19 for Astrophysics**, and **WG-14 in accelerator science for 2019**.

The new **suggested** appointments for associate membership are:

- C-4 Astroparticle Physics – Iris Dillmann
- C-11 Particle Physics – Eugenio Nappi
- C-14 Education – Yanlin Le
- WG-14 Accelerator Science – Ani Aprahamian

Until 2018

- C-11 Particle Physics; Eugenio Nappi
- C-13 Physics for development; Claes Fahlander
- C-19 Astrophysics; Wei-Ping Liu

However, C-12 was informed that it cannot propose associate members to other commissions. Rather a commission can ask to associate somebody from C-12. Eugenio Nappi was requested by C-

11 and is in place, all others have to wait until the next C&CC meeting (October 1-3, 2019 in London) to see if they will be invited to associate with the various commissions.

Alinka Lepin Szily suggested that C-12 is not limited to inviting members from other commissions. We can also invite people from outside the commissions as well.

Eugenio Nappi suggested that we could invite chairs of other commissions to come and give talks at our C-12 meetings.

Joachim Stroth indicated that C-14 regularly invites outside people.

Faical Azaiez asked about the inclusion of Astronomy in this multi-messenger era as being more relevant to nuclear physics. Alinka Lepin Szily commented that presently no Astronomy commission exists in IUPAP.

Report by Eugenio on C11: Particles and Fields

Chair of C-11 is Heidi Schellman (Oregon State U). They think “h” factor does not work for this group, they want to discuss a new ranking format for large collaborations. Paolo commented that he supports such a re-evaluation since it is very important for the careers of the young scientists. The next C-11 meeting in 2019 will be held in Toronto starting on Aug 7, 2019.

Report on IUPAP supported conferences in 2018 & 2019: Claes Fahlander

Gender Balance

Few Body 2018	NIC 2018 – Gran Sasso	NN2018 – Japan
19% attendees	26%	
21% invited speaker	27%	
23% Members of IAC	36%	
13% Women members of IAC	13	
33% Countries participating	29	

Alinka Lepin Szily stated that the IUPAP goal is 20% for gender balance at conferences but 10% is ok with proposals. Fanny Farget commented that it is quite possible to reach 25% and suggested that perhaps we can be more ambitious. Alinka Lepin Szily inquired if Silvina Ponce Dawson from IUPAP presented the numbers but Joachim Stroth did not know. IUPAP C12 supported conferences in 2019 were INPC 2019, Quark Matter 2019, SQM 2019, LASNPA2019, and TAN2019. The categories are shown below.

INPC2019: A

Quark Matter 2019: Category B (A)

SQM 2019: Bari Italy; Category B

LASNPA2019: Costa Rica; Category B

TAN19: Wilhemshafen, Germany; Endorsement

Presentations of Conferences asking for support in 2020

Two presentations were made followed by a third proposal after the Glasgow meeting . ARIS 2020 and Hadron Physics XV 2020 presentations in Glasgow. A third proposal NIC2020 was discussed via email after the C-12 meeting in Glasgow.

ARIS 2020

A presentation was made by Ulli Koester from ILL, France. ARIS will take place in Avignon, France and the dates are set for June 14-19, 2020. Presentation is attached.

ARIS asking for **B support**.

Hadron Physics XV 2020

Presentation by Debora Peres Menezes.

Sao Paolo, Brazil

Asking for **B support**.

NIC 2020

Presentation was circulated on August 11 after the meeting of C-12 in Glasgow

The meeting is to take place in Chengdu, China. The dates are September 9-13, 2020

Asking for **B support**.

The next INPC meeting (INPC 2022)

Two bids were presented for sponsoring the INPC 2022 meeting, South Africa and China.

The two presentations are attached.

1. First presentation was by Mathis Wiedeking- iTHEMBA labs, **South Africa. Joining in the presentation was Adriaan from the Cape Town Government.**
2. The second, presentation was by Professor Guoqing XIAO- Lanzhou, **China Institute of Modern Physics. He introduced the Lanzhou Institute of Modern Physics with a 135 M \$ annual budget and some 1000 employees.**

Closed Session: C-12 members only

Discussion of the two bids for the next INPC meeting (INPC 2022) :

Both bids were discussed in closed session. Eugenio Nappi inquired about the makeup of the IAC for the Lanzhou bid and whether the organizing committee had been formed. Hirokazu Tamura asked if an alternative site to Lanzhou had been considered. Questions regarding the size of the nuclear physics community was brought up. Iris Dillman suggested to exclude the assistants and managers from the listing of potential or real IAC members when counting the gender balance (only scientific staff should count for the gender balance). Joachim Stroth insisted that the lists reflect the pool recognizing that what doesn't exist, cannot be delivered. Eugenio Nappi agreed that the pool has to reflect who is available in the field.

Conclusion: The summary of the discussion was that Lanzhou is not yet ready and that South Africa was well prepared. The vote was unanimously in favor of South Africa.

Conference support in 2020:

C-12 voted for unanimous support of B-level support for ARIS 2020, and an endorsement with no financial assistance for the Hadron Physics conference at the suggestion of Joachim Stroth. Claes Fahlander mentioned that the Hadron Physics conference is always in Brasil and does not qualify for IUPAP support since it is not a rotating international conference. C-12 also agreed to list NIC2020 on the list requesting B-level support after an email discussion amongst members.

IUPAP Young Physicist Award

Claes Fahlander reported that the nominations for the young physicist awards very good in 2019. The winners and their awards are to be presented at the conference banquet.

Claes inquired about the evaluation procedure which was different this year. Specifically, no external evaluations were sought at the suggestion of Alinka since the external evaluators in the previous year were not particularly helpful in the selection process. In general, there was broad satisfaction for the evaluation process.

Next C-12 Commission Chair

We need a new C-12 commission chair starting in January 1 2021. IUPAP asks for the nominations one year in advance. IUPAP makes the selection. Joachim Stroth, the Vice Chair has been a member for 9 years and therefore excluded from being nominated. C-12 discussed and unanimously nominated Ani Aprahamian (C-12 secretary) with the clear understanding that the final approval can only be made by IUPAP.

International Year of the Periodic Table

We heard via skype **Lars Öhrström (IUPAC) Division of Inorganic Chemistry**
Ten chemical Innovations that will change our world?

Alinka Lepin Szily wrote a paper in Brasil on how to discover new element pointing out that they are not made by chemists but physicists.

Hirokazu Tamura reported on the activities in Japan. It was a well-organized year by the Japan Science Council, Chemical, Physical societies of Japan + RIKEN to organize events, working well together to put a program of public symposia, invited lecturers, and exhibitions of materials and elements. They also produced special types of periodic tables to circulate throughout Japan at various schools. The closing of the year of the periodic table will be celebrated in Tokyo with a conference on super heavy elements the first week of December, 2018.

Claes Fahlander reported on series of special lectures all around Sweden.

Ani Aprahamian reported on a lecture by Yuri Oganessian to Yerevan, Armenia and associated outreach program to elementary and high school students on the periodic table, the making of new elements, etc.

Fanny Farget reported on the big event in Paris in July. They also started the year with a big conference in January of 2019 on the 150th anniversary of the periodic table.

There had been an event planned in Costa Rica. The activity was supposed to take place in October but the organizer in Costa Rica was majorly delayed and will organize a conference in January of 2020 instead.

Other Issues:

Fanny Farget inquired why so few nuclear physics conferences were asking for support. Maria Borges stated that our conferences are typically not big enough to meet the threshold.

Next meeting date is TBD (to be determined).

Respectfully submitted,
Ani Aprahamian
C-12 secretary