

Minutes

ICFA Meeting

7 November 2024

Agenda: <https://indico.fnal.gov/event/65131/>

Present:

- ICFA members: P. Campana, F. Gianotti, P. Sphicas, R. Teuscher, G.G. da Silveira, Shoji Asai, T. Nakaya, J. Cao, N. Roe, L. Merminga, S. Dasu, U. Egede, T. Schörner (secretary)
- for the ICFA panels: T. Roser, P. Muggli, Y. He, K. Lassila-Perini
- for C11: Florencia Canelli, Marcelo Munhoz

Not present / excused: B. Mohanty, B. Heinemann, I. Koop, V. Obratsov,

1) Welcome and Charge

Pierluigi first introduced the updates to the ICFA membership and welcomed Jun Cao and Marcelo Munhoz, thanking their predecessors – Yifang Wang and Florencia Canelli – for their contributions to ICFA.

Pierluigi then remembered the late Ian Shipsey, honouring his immense contributions to the field and to the ICFA IID panel in particular.

Finally, Pierluigi reminds ICFA of the panels and their chairs. The panel composition will be discussed later in the meeting.

2) Regional and Lab Reports

CERN

Fabiola Gianotti presented the slides attached to the agenda.

- Pierluigi asked about the luminosity levelling in ATLAS and CMS. Fabiola explained that levelling is achieved in three ways (beta*-levelling, crossing-angle changes and beam separation) and has helped enormously to have very long fills.

Europe and neighbouring countries

Paris Sphicas presented the slides attached to the agenda.

- Lia Merminga asked about a charge for quantum / enabling technologies etc. Paris Sphicas answered that the instrumentation and computing groups cover also quantum technologies, with also AI being one of the four sub-themes in the computing group.
- Pierluigi Campana asked about the two LDG activities (sustainability and midterm review of the accelerator R&D programme) and their links with the current LDG panels on accelerators. Paris Sphicas answered that the sustainability group and the midterm review group will prepare inputs to the strategy update process.

USA

Lia Merminga presented the slides attached to the agenda.

China

Jun Cao presented the slides attached to the agenda.

- Pierluigi Campana asked about the decision timeline on CEPC. Jun Cao answered that the review process by CAS is ongoing, with a lot of uncertainty.
- Tsuyoshi Nakaya asked about the plasma injector for CEPC and its final energy, and the R&D timeline for it. Jun Cao answered that the R&D will take several years; a lot of laser equipment has been procured, and constructions will start next year.

Japan

Shoji Asai presented the slides attached to the agenda.

- Pierluigi Campana asked about electron cloud effects in Super-KEKB. Shoji Asai answered that these pose problems maybe only at still higher luminosities.

Oceania, Australia and Asia beyond China, Japan and India

Ulrik Egede presented the slides attached to the agenda.

- Pierluigi Campana asked about the X-band cavity – does it come from CERN? Ulrik Egede answered that they have 2 cavities from CERN, and they are potentially working towards having local industry involved in the production process.

Latin America

Gustavo Gil da Silveira presented the slides attached to the agenda.

- Pierluigi Campana asked about the idea to move towards a more efficient organisation of HEP groups in Latin America. Gil answered that no real progress has been achieved so far, but it is a mid/long-term discussion between several colleagues that also requires the correct projects in order to pick up momentum. In principle there is the Latin American association for HEP that can act as a proxy. Gustavo will bring up the issue at tonight's meeting of the association.

Canada

Richard Teuscher presented the slides attached to the agenda.

- Patric Muggli comments that the drop-out of TRIUMF from AWAKE is a pity.

3) ICFA Panel Business

ICFA panel on the Data Lifecycle

Kati Lassila-Perini presented the slides on the ICFA panel on the Data Lifecycle attached to the agenda.

- Pierluigi Campana asked about the ambitious timeline for preparing recommendations. Kati Lassila-Perini says that already 14 people even from outside the panel volunteered to contribute to the work.
- Thomas Schoerner asked whether the potentially different mentalities on data management in different world regions are an issue. Kati Lassila-Perini answered that these need to be taken into account; in particular as at CERN one tends to take things for granted (infrastructure etc.).
- Pierluigi Campana asked about the relation to astroparticle physics and other fields. Kati Lassila-Perini replied that astroparticle works a bit differently – e.g. with a stronger separation of data producers and data analysers.

ICFA ANA panel

Patric Muggli presented the slides on the ICFA ANA panel attached to the agenda.

- Pierluigi Campana comments on the issue of institutional funding – there is no defined project for the panel, it is not a real entity, so institutional funding will be very hard to attract and would require dedicated and well-defined projects. However, ALEGRO can contribute to the forming of ideas.

4) ICFA Executive Meeting (not for publication)

he will include the ANA web page under icfa.hep.net.