

## Summary Notes of the Institute Board Meeting of the FCAL Collaboration

Held via Fuze, on 25 November 2013, 12:00-14:00

**Present 8 institute representatives :** A. ABUSLEME (**Pontificia Universidad Catolica de Chile**, Santiago), K. AFANACIEV (**NCPHEP**, Minsk), I. BOZOVIC-JELISAVCIC (**Vinca** Institute of Nuclear Sciences, Belgrade), C. COCA (**IFIN-HH**, Bucharest), A. LEVY (**Tel Aviv** University), W. LOHMANN (**DESY**), T. PREDA (**Institute for Space Science**, Bucharest), L. ZAWIEJSKI (**IFJ -PAN**, Crakow)

**Apologies/absences:** M. IDZIK (**AGH** University of Science and Technology, Cracow), L. LINSSEN (CERN)

**Link to the Meeting:** <http://fuze.me/22270895>

**Link to the IB material:** will be provided at the FCAL page

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### **AGENDA:**

- 1. Approval of the last IB minutes**
  - 2. FCAL goals in Horizon 2020**
  - 3. News from the participating institutes**
  - 4. Endorsement of the new Publication and Speakers Committee**
  - 5. FCAL WS dates for 2014**
  - 6. AOB**
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#### **1) Approval of the last IB minutes**

Present IB members approved the minutes of the IB meeting on 07. October 2013. A. ABUSLEME and C. COCA joined with a delay to vote.

#### **2) FCAL goals in Horizon 2020**

Wolfgang's presentation served as a base for discussion. In particular, the LAS was discussed together with the issue of technologies (FSI, semitransparent sensors). Leszek will prepare input slide for Wolfgang on this.

Aharon pointed out Mimosa sensors as a possible option for the ultra-thin Si tracker in front of the LumiCal. Tel Aviv can look into it on hardware side, while the performance issues have to be addressed through simulation.

It was left to discuss with Marek about power-pulsing and read-out board. Angel confirmed that he will apply for funding dedicated to the BeamCal read-out development and testing.

#### **3) News from the participating institutes**

CERN and IFIN-HH Bucharest submitted their commitments and plans related to FCAL.

**CERN:** Construction and integration of a precise mechanical structure with absorber plates for FCAL test beam purposes, administration of the FCAL subversion repository (together with Bogdan Pawlik), maintenance for some of the implementations of the forward calorimeter clustering algorithms, assistance for FCAL beam tests, where needed; 0.5-1 FTE.

**IFIN-HH Bucharest:** BeamCal performance studies, participation in the test-beam and data analysis, physics potential of the FCAL); FTE 1.5/1 PhD student planned for 2014.

Two other institutes (LAL Orsay and Tohoku University) expressed scientific interest to contribute to the FCAL.

**LAL Orsay:** MDI and beam-background, physics cases of interest for the FCAL and instrumentation R&D in the future.

**Tohoku University:** pair background simulation with the latest beam parameters, pair monitor chip; FTE 0.9/1master student.

**INR & Taras Shevchenko University** group from **Kiev** expressed interest to join FCAL (Vladimir Aushev), 4 researchers/3 PhD students. IB discussed the possible topics for their participation (i.e. performance study of the ultra-thin Si sensors in front of the LumiCal, prototyping of the new connectivity - bump bonding) to be communicated with the Kiev group by Wolfgang.

#### **4) Endorsements of the Publication and Speakers Committee**

IB unanimously endorse A. ABUSLEME (**Pontificia Universidad Catolica de Chile**), K. ELSENER (**CERN**) and S. LUKIC (**Vinca Belgrade**) as members of the FCAL Publication and Speakers Committee chaired by A. LEVY (**Tel Aviv University**).

Aharon committed himself to prepare a first MoC draft until the end of the year, so the form of the memorandum can be endorsed at the spring meeting in Bucharest.

#### **5) FCAL WS in 2014**

IB agreed that spring 2014 FCAL WS, organized by **Institute for Space Science** Bucharest (T. PREDA) should take place in the last week of May (from 26th of May).

For the autumn Workshop, organized by Vinca Belgrade (I. BOZOVIC JELISAVCIC), 13-14 October was proposed. Doodle poll will be set for voting.

#### **5) AOB**

Task structuring was discussed for the next test-beam campaign starting from the 6th of January 2014. The main scientific goal of the next test-beam is detailed study of the shower development in FCAL calorimeters.

Ivanka pointed out successful presentation of the FCAL activities at LCWS13 (11-15 November, Tokyo) with 5 dedicated talks (I. BOZOVIC JELISAVCIC, A. SAILER, B. SCHUMM, W. WIERBA, W. LOHMANN).

(Summary Notes drafted by I. BOZOVIC-JELISAVCIC - Belgrade, 25 November 2013)