

Summary

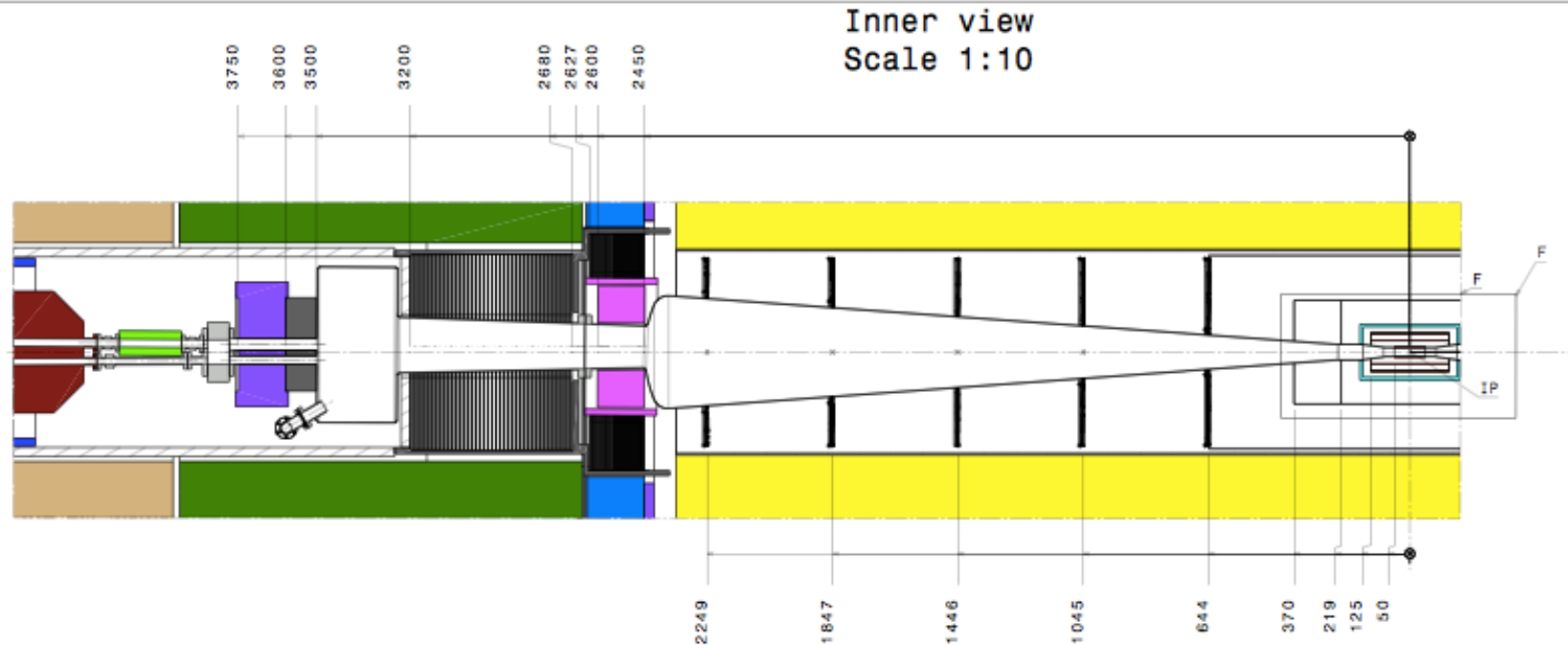


Aharon Levy
Tel Aviv University

FCAL issues

- **Report from LCWS14**
- **FCAL and talks @ ICHEP14, LCWS14**
- **TB 2010-11 results paper**
- **CERN TB preparations**
- **Working groups**
- **FCAL outlook**

ILD: Discussion Items



- What needs to be done to go to L^* of 4m?
 - Is the pump needed at this location?
 - revisit vacuum requirements and conditions
 - impact on cold QD0?
 - Revisit FCAL design
- Discussions have started at this LCWS

TB 2010-11 results paper

¹ Preprint typeset in JINST style - HYPER VERSION

² Performance of a fully instrumented sensor plane of ³ the forward calorimeter of a LC detector

The FCAL collaboration
October 10, 2014

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⁵ ABSTRACT: Sensor plane prototypes of the very forward calorimetry of a future detector at an e^+e^- collider have been built and their performance was measured in an electron beam. The sensor plane comprises silicon or GaAs pad sensors, dedicated front-end and ADC ASICs, and an FPGA for data concentration. Measurements of the signal-to-noise ratio for different feedback schemes and the response as a function of the position of the sensor are presented. A deconvolution method is successfully applied, and a comparison of the measured shower shape as a function of the absorber depth with a Monte-Carlo simulation is given.

Received comments from
Angel, Cornelia, Konrad,
Leszek, Marek, Titi

Took much too long. We
should do it differently for
the present test beam
results (see later)

CERN TB preparations

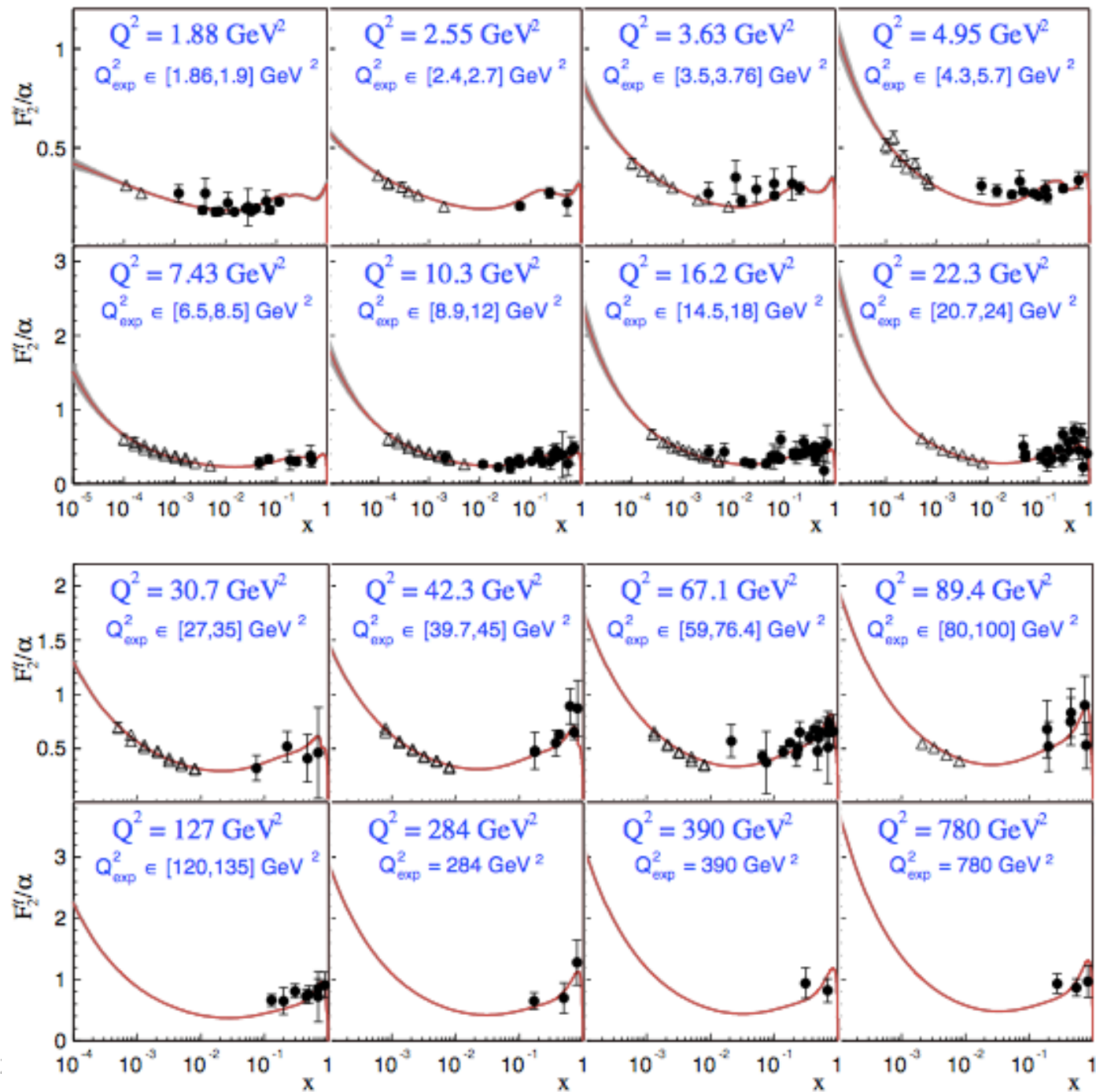
- We started on August 29 bi-weekly meetings to prepare for the CERN test beam. Sergej is in charge of the TB.
- Discussions were very useful for preparing a solution for the Aarhus telescope.
- There will be three reports by Sergej, Marek and Itamar.

Working groups

- **Following the Bucharest WS, Lucie suggested to start working groups so that we exchange information more than twice a year.**
- **In July we started a clustering working group, convened by Sasha, meeting every second Monday (4pm). Discussions were very useful. Details – tomorrow by Sasha.**
- **Will start now a second WG, a hardware working group, convened by Marek. Meeting should also be bi-weekly, maybe on the off-Mondays of the Clustering WG. CERN TB results should be handled by this group.**

New developments

- Sapphire sensors and BeamCal redesign
- Electronics
- DD4hep
- Tracker in front of LumiCal
- Edgeless sensors
- e/h separation by software
- Physics: F_2^Y
-



From the IB

- **Working groups**
- **Revive MoC**
- **Kiev group**
- **Next FCAL WS (#26)**

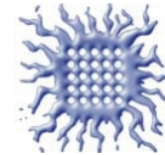
CERN, March 23-24, 2015 (to be confirmed)

Thanks to the Organisers

- Ivanka



Handwritten symbols: H, E, A, G, X, O, V, A, V, I, T, C, X



- Gordana

- Mila

- Snežana

- Goran

- Ivan

- Strahinja

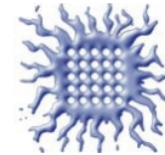
The Mighty Seven

Thanks to the Organisers

- **Ivanka**



Η ΕΛΛΗΝΙΣΤΙΚΗ ΚΑΙΝΟΤΟΜΙΑ



- **Gordana**

- **Mila**

- **Snežana**

- **Goran**

- **Ivan**

- **Strahinja**

. . . when a Plan Comes Together

The A team!