

# FCAL Workshop CERN 2019

Closeout

Wolfgang Lohmann

# Demonstrator and test-beam

## status

- Sensors (available, but to be qualified)
- Absorber planes (available, but need mechanical integration)
- Detector plane (technology available, production to be done)
- ASICs (to be produced), APV25 with charge divider as second option
- DAQ with FPGA in preparation

Yan presented a detailed plan toward a test-beam fall of the year

# New Collaborator

## THE PARTNER

National Research Tomsk State University

Declares that he agrees with the content in the Memorandum of Cooperation of the FCAL collaboration

## Done in PLACE

36, Lenin Ave., Tomsk, Russia, 634050

## Date

Jan 25, 2019

## For the PARTNER

National Research Tomsk State University

## NAME

Eduard V. Galazhinskiy

## FUNCTION

Acting Rector of National Research Tomsk State University



Welcome to Anton Tyazhev from Tomsk State University

14 Institutes Collaborate within FCAL

unclear situation:

INPPAS Cracow

# This workshop

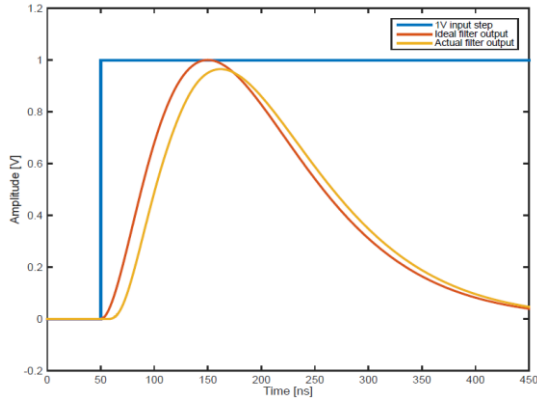
## 17 talks

- 6 general
- 7 hardware
- 2 software
- 2 analysis results

- Status, physics of CLIC (Lucie)
- Status ILC (Hitoshi)
- Status of FCCee (Mogens)
- Status of CEPC (Ivanka)
- CMS Lumi measurement (Olena)
- Luxe (Sasha)

# This workshop

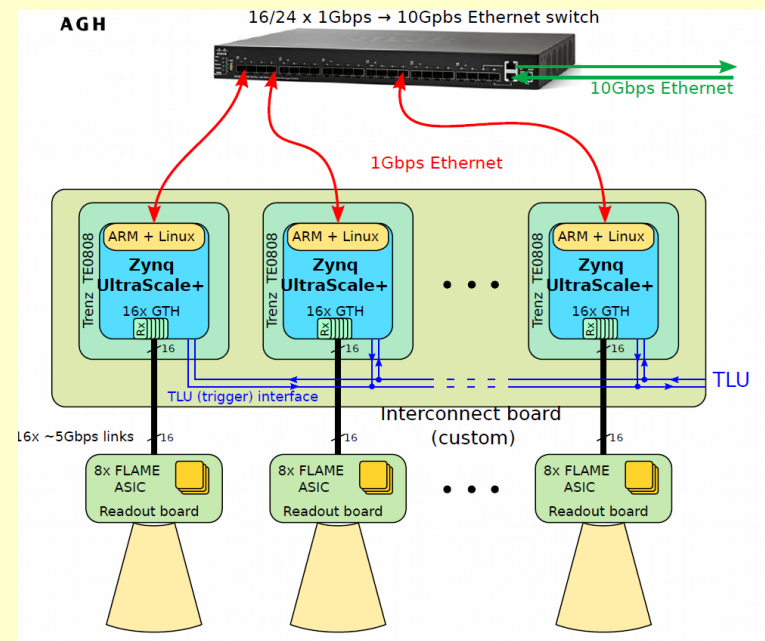
## Transient simulation results



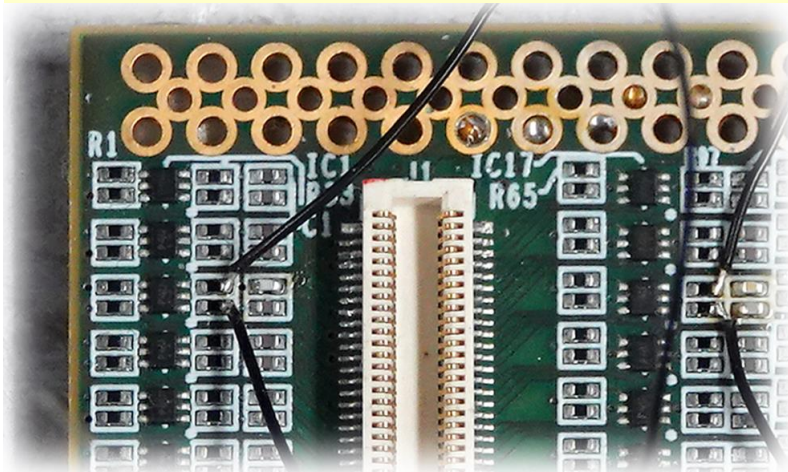
Angel, FE ASIC, tests in second half of 2019

Jakub, ASIC submitted for production

Readout scheme under work



# This workshop



Hans, charge divider for APV readout

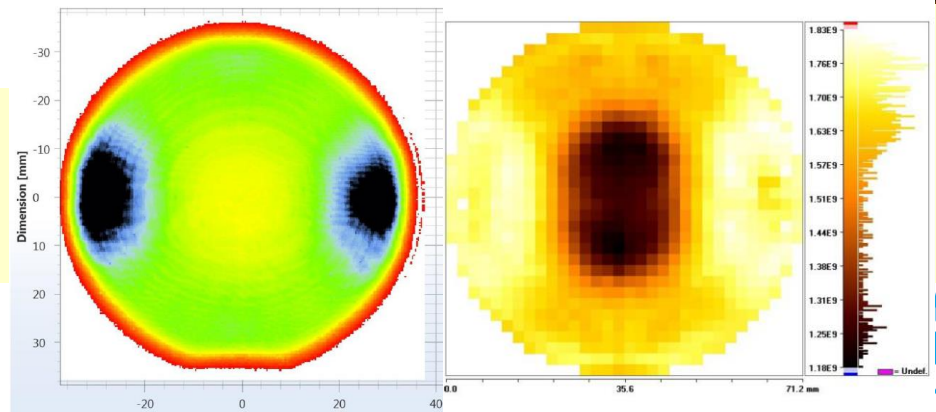
Anton, GaAs:Cr sensors



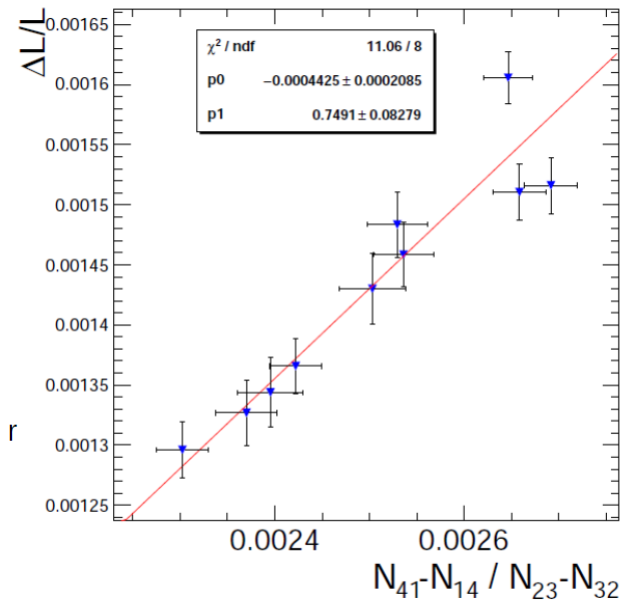
Photoconductivity



Resistivity

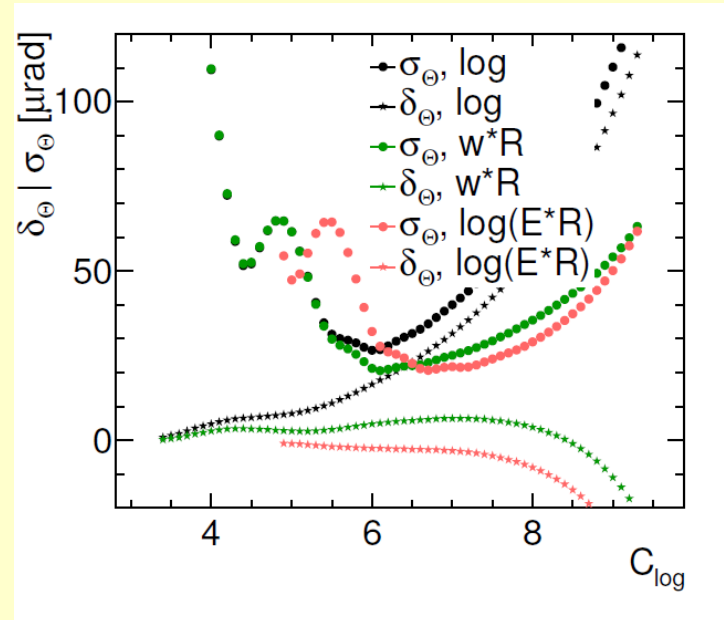


# This workshop



Georgios, Systematics of Luminosity measurement at FCC ee

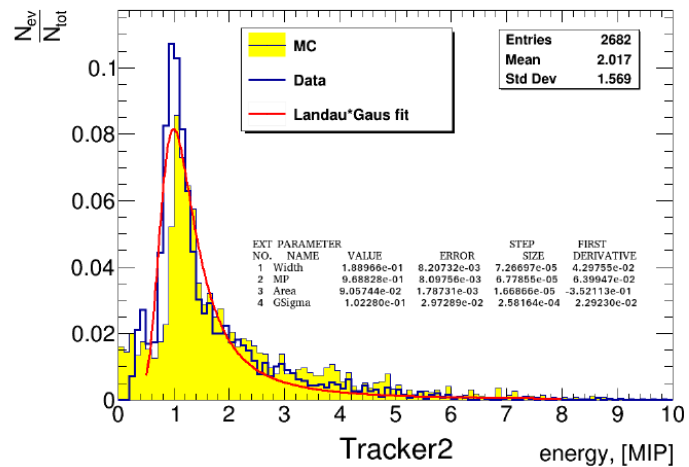
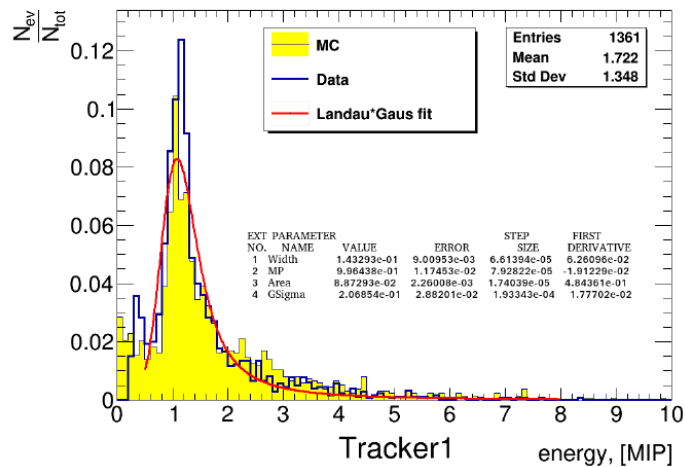
Andre, LumiCal reconstruction  
Systematic study of the polar angle bias



# This workshop

Bohan, study of backscatters from test-baem data

## Energy distribution of secondary clusters in trackers





# This workshop

Thank you, Lucie and Konrad!

# Forthcoming events

- Linear Collider Community meeting, Lausanne, April 8-9  
~ 90 participants, several directors
- Open Symposium ``European Strategy for Particle Physics``,  
Granada, May 13-16
- EPS, Ghent July 10-17
- Lepton-Photon, Toronto, August 5-10
- Physics in Collision, Taipei, Sept. 16-20

More informations from the Conf. Committee