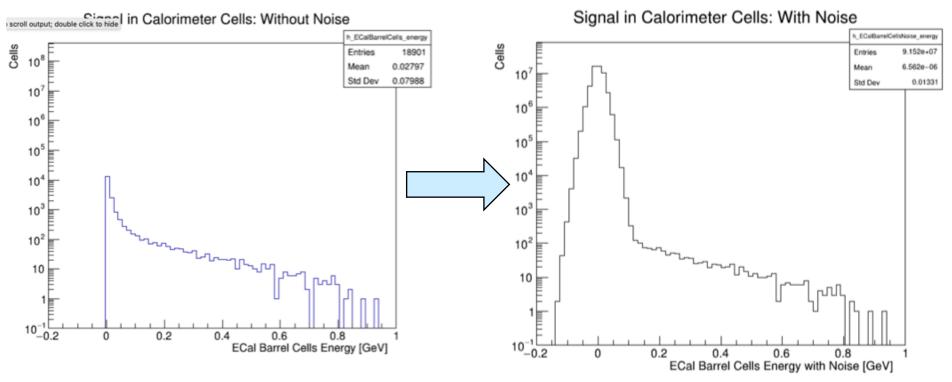
Information / News

- Personal impressions of this weeks SW Workshop
- January FCC Workshop

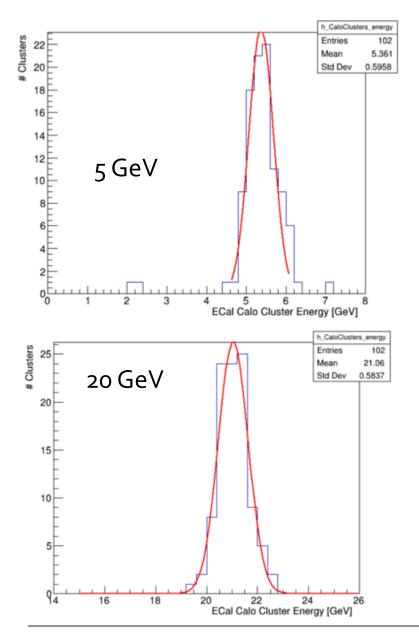
Personal impressions from SW Workshop

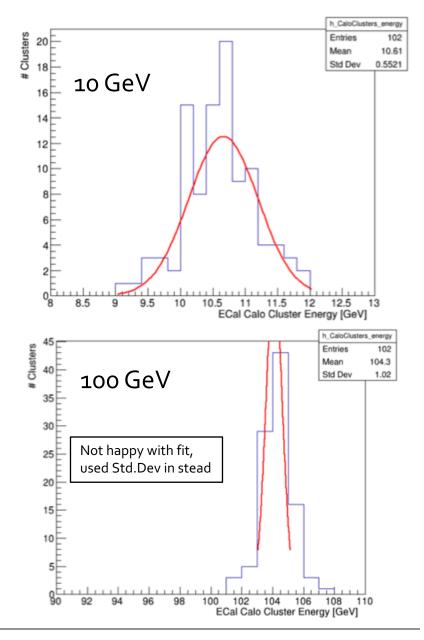
Example of what we did: Full Geant4 simulation + reconstruction of LAr calorimeter

Here 5 GeV electrons



17th Detector Design Meeting



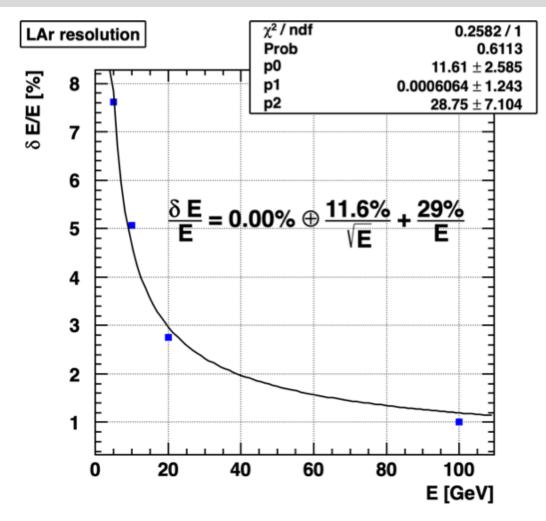


Mogens Dam / NBI Copenhagen

17th Detector Design Meeting

4 October 2019

End result after one day's work



Of course very preliminary and based on low statistics.

Very impressive what one can learn in only one day!

Thank you very much to Clement, Gerardo, and Valentin for an exciting, interesting (and fun!) workshop! Highly recommended!

January FCC Workshop



3rd FCC Physics and Experiments Workshop

13-17 January 2020 CERN Europe/Zurich timezone

The yearly FCC physics and experiments Workshop is meant to cover recent progress in the study of the physics prospects of the complete FCC experimental programme, with the ee, hh and eh colliders.

In previous events, the discussions were focused on the preparation of the physics volume of the Conceptual Design Report. In 2020, we expect to have two main themes, running mostly in parallel. On one side we propose a broad overview of all recent theoretical and phenomenological studies that have appeared since the CDR, ranging from precision physics to BSM searches. On the other, we plan sessions focused on the detector concepts and the various aspects of the FCC-ee experimental programme. A few plenary sessions will address the common aspects of the two main themes.

We expect to allocate time to presentations proposed by the participants, and encourage you to propose an abstract, using the link below. In particular, we invite short talks in the areas of:

- · SM physics and precision calculations
- Flavour physics at FCC
- Higgs studies at FCC
- BSM searches at ECC
- Detector technology and performance

About time to seriously start organising this!

Comittee: **MD**, Martin, Manuela, Guy, Paula, Franco, Gerardo, Werner(?)

Mogens Dam / NBI Copenhagen

Search...

Overview

Timetable

Registration

Participant List

Getting to CERN

CERN entrance

opening hours

Accommodation

CERN network

CERN maps

Videoconference Rooms

Programme Committee

Call for Abstracts

Contribution List

Q

First Outline of exp/det sessions

Physics requirements!!

Do we need a task force for this? Before/after workshop? What is realistic?

- Status of existing concepts: CLD, IDEA, LAr/Tile
- MDI status and outlook
- Vertex detector
 - Cooling issues: How to keep material budget low without power pulsing.
 - Development of power lean detectors over 10-15 years?
- Tracker
 - Si similar cooling issues as for Vertex Detector
 - Gaseous (TPC, DC)
- Calorimetry
 - Si, Scintillator, Dual Readout, LAr, others
 - Physics requirements!!
- PID
 - Physics requirements and possibilities
- Muon system
- Magnet system (thin coil before calorimetry)
- TDAQ is this an issue?
- Software

First Outline of exp/det sessions

 Physics requirements!! Do we need a task force for this? Before/after workshop? What is realistic? 	All?
 Status of existing concepts: CLD, IDEA, LAr/Tile 	
 MDI status and outlook 	Manuela
 ♦ Vertex detector 	Paula
Cooling issues: How to keep material budget low without power pulsing.	
Development of power lean detectors over 10-15 years?	
◆ Tracker	Paula + Franco
Si - similar cooling issues as for Vertex Detector	
Gaseous (TPC, DC)	
◆ Calorimetry	Martin + Franco
Si, Scintillator, Dual Readout, LAr, others	
Physics requirements!!	
◆ PID	Guy
Physics requirements and possibilities	
♦ Muon system	Franco
 Magnet system (thin coil before calorimetry) 	
◆ TDAQ – is this an issue?	?
◆ Software	Gerardo