

# SDHCAL activities dashboard

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# Ongoing activities

## Test beam analysis

### all TB

- Uniformity (Bing+SJTU)
- Low Energy hadrons (Bing+SJTU)
- Uses of BDT (Bing+SJTU)

### 09/2018 only

- SiWECAL+SDHCAL (Hector+CIEMAT)
- Tricot electronics (GG, on hold)

### 2015 only

- Analysis with rotated device (on hold)

# Ongoing activities

## PFA

- ArborPFA → APRIL (Bo, then GG)
- Rand Index (GG)

## Digitisation

Incorporate GRPC response modeling to digitiser, (Lyon+Clermont).

## AIDA 2020 Expression of Interest

- IP2I+LLR on PFA
- IP2I+LPC on Digitizer

AIDA++ Open meeting at CERN, September 4th,  
<https://indico.cern.ch/event/838460/>

## Hardware

- 2m<sup>2</sup> GRPC+HR3 ASU+ new DIF (Lyon+ ? ), on hold
- Timing electronics (CMS muon)
- SJTU lab (SJTU)

## ILD/CEPC Analysis

- CIEMAT

# Publications

## Papers, short term

- Transformation of BDT note CALICE-CAN-2019-001 <https://inspirehep.net/record/1718039> into a paper, no date for now.
- Current analysis of test beam data (GRPC uniformity, low energy hadrons, ...) ?

## Notes in preparation

- Bo : APRIL PFA.
- Bing : Low energy hadrons + uniformity studies (target=CHÉF)

## Papers, medium term

- ECAL+HCAL analysis, to see with ECAL groups
- More on GRPC response modeling by Clermont ?

# Coming meetings

We should plan to have some SDHCAL talk there.

## talk/poster to provide

- CALICE Meeting, september 30 - October 2, CERN,  
<https://agenda.linearcollider.org/event/8213/>  
(APRIL by Bo, ...)
- LCWS2019, October 28 - November 1, Sendai,  
<https://agenda.linearcollider.org/event/8217/>
- CHEF2019, November 25-29, Kyushu,  
<https://indico.cern.ch/event/818783/>

## Other meetings

- CEPC workshop, November 18-20, IHEP, Beijing,  
<https://indico.ihep.ac.cn/event/9960/>

# More on meetings

## CALICE Meeting

- Mary Cruz and GG organising the SDHCAL session.
- Registered : Bo, GG, Do-Won Kim.

## LCWS 2019

- Registered : Nobody.

## CHEF 2019

- Registered : Bing, Imad.

# Outlook

Don't hesitate to add any important activity, paper, or conference, I may have miss.

## Next meetings

time : Europe 9-11 / China 15-17 / Korea 16-18

- September 18th
- Next after CALICE meeting : October 16th (?) : I've teaching duties on Wednesday morning in October.