

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) see News
- Tricot electronics (me, on hold)

2015 only

- Analysis with rotated device (on hold)

Ongoing activities

PFA

- ArborPFA → APRIL (Bo)
- Rand Index (me)

Digitisation

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

AIDA 2020 Expression of Interest

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

Hardware

- 2m² 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, ...) ?
- APRIL PFA, Bo.

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/>

News on ECAL+HCAL common root-tuples

- Hector has produced ROOT File in `/eos/project/s/sdhcal/ROOT/`
- GG has "rsync -avu" them in `/eos/project/s/siw-ecal/TB2018-09/Common/HCAL/`

Runs done

- 200GeV Muons: 744211 744214 744218 744221 744226 744230 744233 744237 744242 744246 744249 744254 744258 744263 744269 744273 744278 744283
- 40GeV Pions+: 744124 744125 744339 744340
- 50GeV Pions+: 744326 744327 744328 744331
- 60GeV Pions+: 744111 744112 744113 744119 744323
- 70GeV Pions+: 744132 744145 744164 744318
- 80GeV Pions+: 744200 744315 744316

skipped SDHCAL bad runs : 744134 744141 744143 744152 744317

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

- August 28th