Table of Contents

CERN 2022-06 Combined ECAL 15 SLABs and AHCAL

First test of the full 15 layer stack at CERN, with the full AHCAL.

This page is a copy of SiWCERN201809.
It can be edited by the members of the Main.SiWCERN201809Group .

Organisation

Responsabilities & Contacts

Admin Vincent Boudry +33 6 7131 0577,

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AHCAL contacts: Katja Krueger + Jiri Kvasnicka

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e-group of TB-participants: CALICE-SIW-ECAL-AHCAL-BT-CERN2022-06@cernNOSPAMPLEASE.ch (Management link)

Elog (not used this time)

Elog SiWECAL and AHCAL hosted at DESY. For ECAL specific information login, then choose the directory called "running" followed by choosing the directory "ECALrun"

Documentation

- Main Page (Twiki) "Old" Page (Forge IN2P3)

Admin chore

- CERN Registration procedure:
  - ♦ Pre-Arrival: Follow step-by-step (1 to 4 at least) on this page: What I need to do (before arrival)
    - ◊ Needed documents, Forms, Requested Safety courses. Everything is on that page.
      First step: get your documents and ask your group leader to make a Pre-Registration PRT
      (the form can be started and shared with the incumbent for easier filling).
      It might take some days for things to get through
    - ◊ The proper radio-protection course is the one for the Supervised area (see below).
    - ◊ Full procedure: User's office procedure for Users and Visiting scientists
    - ◊ Once registered, you can already ask for access to the Control Room on either:

- 1) EDH > Access Demand (top line):
  - Search by Access point (right, in the middle), and type 887-1-B81 Select the only choice (0887-1-B81 SALTO), and again (0887-1-B81 Control Room HNA383).
  - Give the date of the stay ±1 day (7/6 23/6), and the reason (beam test in PPE 172)
- 2) Adams3
  - with other information (card validity, etc).

♦ On arrival: The access card and dosimeter offices are in building 55-R-001 at the entrance. **Opening hours are:7h30 17h30 for the access cards, but 8h30-12:00 for dosimeters.** A valid dosimeter is the key for the beam test area.

- North Area Instructions
  - ♦ New instruction are in the presentations of the 30th march H2/H4 meeting
  - ♦ The OLD Main document **TO BE READ** is: Michael JECKEL TB Check list
    - ◊ A useful Safety & registration user's guide : " target="_blank">http://deile.web.cern.ch/deile/totemino/Flyer-v10.pdf]]
      - · unfortunatly with many obsolete links.
  - ♦ List of Access rules & procedures:
    - ◊ it lists the Security & radio-protection formations to be done on CERN Learning Hub
      - · link to Dosimetry service

Lodging and Mobility

- The CERN hostels are ~ booked out until july
- List of CERN hostel with reduction (mention "CERN")
  - ♦ http://gs-dep.web.cern.ch/fr/CERN_Housing
  - ♦ ResidHome @ prevessin (ask for a CERN reduction)
    - ◊ A shared 2 room apartment costs ~126 /n (without reduction).
      - · This is 84 /n with cern reduction (see CERN Housing Residhome page: login to check rates)
- AirBnB around Prévessin

To go to Prevessin, you can:

Take the shuttle:
https://sce-dep.web.cern.ch/cern-shuttle-service
https://sce-dep.web.cern.ch/mobility/shuttle/circuit-5
Rent a bike:
https://sce-dep.web.cern.ch/mobility/bike-rental

Everything is there:
https://sce-dep.web.cern.ch/campus-life/mobility

including the information about the shuttle to/from the airport.

Planning

Admin documents are on the CERNBOX (use this link to edit docs)

- Presence table (readonly)
- Shift Table (readonly)

SHIFTS

CERN2022 Shift Instructions to be updated

Materials & Logistics

Talks, proceedings and papers

W.I.P

Commissioning

Data that is necessary for the commissioning is located in the eos folder below.

`/eos/project/s/siw-ecal/TB2022-06/commissioning`

Slabs commissioned

Layer Position	SLAB	SLB- ID	SLB-Add	ASU type	Wafer (µm)	W (mm)
0	34	15	0	FEV13	650	4.2
1	37	28	1	FEV13	650	4.2
2	36	18	2	FEV13	650	4.2
3	35	16	3	FEV13	650	4.2
4	38	12	4	FEV13	500	4.2
5	39	25	5	FEV13	500	4.2
6	29	22	6	COB	500	4.2
7	30	19	7	FEV12	500	4.2
8	33	20	8	COB	500	5.6
9	31	17	9	FEV12	500	5.6
10	19	13	10	FEV11	320	5.6
11	18	2	11	FEV11	320	5.6
12	23	6	12	FEV10	320	5.6
13	40	27	13	FEV13	320	5.6
14	17	10	14	FEV11	320	5.6

(corrected by Fabricio, 13/06/2022)

Passports

Passports are contained in this file.

Calibration constants (pedestals and MIP)

~~Calibration files are in the attachement file. (Taken 03/06/2022)~~

Calibration files are in the attachment file. (Updated 13/06/2022)

Detector **distance between AHCAL-ECAL** is `17cm`.

Pictures of slabs (before installation at CERN)

Taken at 21 Jun at CERN

Full Setup

W.I.P.

Settings

All files (only txt please) to be stored at /eos/project/s/siw-ecal/TB2022-06/calibration/setting_files and/or under the Windows PC in the Setup Folder (please keep them as synchronised as possible)

following the convention there described and updating the README after every time it corresponds.

Shifter Operation

See https://twiki.cern.ch/twiki/bin/view/CALICE/SiWAHCALCERN202206Shifter

Physics program

Analysis

Analysis page

Pictures

-- AdrianIrles - 2018-06

- calib_20220613.tar.gz: calibration files updated on 13/06/2022

This topic: CALICE > SiWAHCALCERN202206
Topic revision: r26 - 2022-07-06 - YuichiOkugawa