

Report from the Speaker's Bureau

CALICE Collaboration Meeting
September 28th, 2020

François Corriveau
on behalf of the Speaker's Bureau



Content

The CALICE Speaker's Bureau

Analysis Notes

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CALICE Speaker's Bureau

Role

Manage Publications (Analysis Notes and Papers)

Set up Editorial Boards, Indico pages and follow the review process

Participation to Conferences

Before: call for contributions, organize speakers, rehearsals, distribute slides or posters

After: review proceedings, collect documents, update web pages

Organization of Analysis Meetings every ~2 months

Others

Composition

Jerry Blazey (NIU)

✓

Vincent Boudry (LLR)

✓

Wataru Ootani (Tokyo)

✓

François Corriveau (McGill)

✓

Chair

Frank Simon (MPP)

✓

ex-officio as IB Chair

Roman Pöschl (LAL)

✓

ex-officio as Spokesperson

meet once or twice a year

last: July 2020

next: TBD

Analysis Notes

60 available (58+2)
 1 became a paper
 3 in EB

<https://twiki.cern.ch/twiki/bin/view/CALICE/EditorialBoards>

	Board	Authors	Title	
CAN058	Sicking, White, Poeschl	Israeli, Simon	Software compensation in the combined calorimeter	Link to drafts
CAN059 -> CALICE-CAN-2019-001	Cvach, Simon, Fouz	Liu, Laktineh	Particle ID in SDHCAL using BDT	Link to drafts
CAN060 -> CALICE-CAN-2019-002	Fouz, Suehara, Schultz-Coulon	Graf	Time analysis of 2015 tungsten AHCAL data	Link to drafts
<i>CAN061</i>	Wing, Poeschl, Grenier	Brianne	Time analysis of 2015 steel AHCAL data	Link to drafts
CAN062	Sicking, Simon, Takeshita	Chadeeva	Software compensation in the W-AHCAL	Link to drafts
<i>CAN063</i>	Masetti, Corriveau, Irls	Provenza, Krüger	Hit time and amplitude correlation in AHCAL	Link to drafts
<i>CAN064</i>	Laktineh, Simon, van der Kolk	Buhmann, Garutti,	Deep Learning based Energy Reconstruction for the CALICE AHCAL	Link to drafts

EB, June 2019
 (version 3)

July 2018
 (collaboration review done)

EB, April 2019
 (collaboration review)

EB, Sept 2019
 (? based on MSc E. Buhmann)

Will confirm status of notes and update the page next time ..

Groups are strongly encouraged to write down notes on their work, also as incentives for papers.

Papers

27 published
1 stopped
1 on hold
4 in EB

<https://twiki.cern.ch/twiki/bin/view/CALICE/EditorialBoards>

	Board	Authors	Title	
Paper024 -> CALICE- PUB-2016-004	Corriveau, Grefe, Garutti	Steen, Laktineh	SDHCAL Digitiser	Link to drafts
Paper025	Chadeeva, Balagura, Jeans	Ete, Laktineh	Hadronic Shower Separation in the SDHCAL	Link to drafts
Paper026 -> CALICE- PUB-2017-001	Cvach, Boudry, Ward	Laktineh	SDHCAL Hough Tracking Analysis	Link to drafts
Paper027 -> CALICE- PUB-2019-001	Bilki, Takeshita, Zeitnitz	Neubüser	Analysis and simulation of the Fe-DHCAL	Link to drafts
Paper028 -> CALICE- PUB-2019-002	Masetti, Watson, Eigen	Bilokin, Pöschl	Track Segments in the Si-W ECAL	Link to drafts
Paper029 -> CALICE- PUB-2018-001	Blazey, Jeans, Boumediene	Hartbrich	Combined scintillator calorimeter (ScintECAL/AHCAL)	Link to drafts
Paper030	Sicking, White, Poeschl	Israeli, Simon	Software compensation in the combined calorimeter (Si-W ECAL/AHCAL)	Link to drafts
Paper031 -> CALICE- PUB-2020-001	Fouz, Cvach, Simon	Liu, Laktineh, Yang	Particle ID in SDHCAL using BDT	Link to drafts
Paper032	Fouz, Cvach, Simon	Liu, Laktineh	Hadron Energy Reconstruction in SDHCAL using BDT	Link to drafts
Paper033	Kawagoe, Zutshi, Grenier	Krüger, Sefkow	AHCAL Prototype (temporary title)	Link to drafts

EB, May 2018
(version 2)

EB, April 2019
(version 0)

Published April 2020: JINST 15 (2020) 05, C05022

EB, July 2020 (new!)
(topic presented at Analysis meeting of July 30th)

EB, Sept 2020 (new!)

Conferences

<https://twiki.cern.ch/twiki/bin/view/CALICE/CaliceConferenceTalks>

(webpage not yet updated)

after CERN meeting (Sept 2019)

- [IEEE 2019](#) (Manchester, UK, October 29 – November 2, 2019)
- [LCWS 2019](#) (Sendai, Japan, October 28 – November 1, 2019)
- [CHEF 2019](#) (Fukuoka, Japan, November 25-29, 2019)
- [BTTB 2020](#) (Tbilisi, Georgia, January 27-30, 2020)
- [INSTR 2020](#) (Novosibirsk, Russia, February 24-28, 2020)

Organizer, notes

V. Boudry

W. Ootani

J. Blazey (14 abstracts → 12 talks, summary)

F. Corriveau, 1 talk (M. Manzano)

F. Corriveau, 1 talk (M. Chadeeva)

since McGill meeting (March 2020)

- [CLIC Week 2020](#) (CERN, Switzerland, March 3-13, 2020)
- [CALOR 2020](#) (Sussex, UK, May 18-22, 2020)
- [TIPP 2020](#) (Whistler, Canada, May 24-29, 2020)
- [ICHEP 2020](#) (Prague, Czech Republic, July 20 – August 5, 2020)
- Snowmass Instrumentation Frontier Calorimetry (Sept 14, 2020)

cancelled

delayed by one year

cancelled

R. Pöschl, 2 talks (V. Boudry, W. Ootani)

CALICE overview talk by F. Simon

coming next virtually

- [AWLC 2020](#) (SLAC, USA, October 19-22, 2020)
- [CEPC 2020](#) (Shanghai, China, October 26-28, 2020)
- [LPCC 2020](#) (CERN, Switzerland, November 2-3, 2020)
- [FCC 2020](#) (CERN, Switzerland, November 10-13, 2020)

F. Corriveau to give the calorimeter overview talk

R. Pöschl, 1-hour CALICE: overview, technical solutions, results
(detector simulation, organized by Geant4 collaboration)

R. Pöschl, 1-hour CALICE: overview, technical solutions, results

Analysis Meetings

CALICE had analysis meetings in the past. At the Institute Board of the last collaboration meeting at CERN in September 2019, it was decided, under the purview of the Speaker's Bureau, to:

- revive these meetings, to take place every 2 months or so.
- discuss common analysis issues and
- encourage exchanges towards common solutions.

In addition to the analysis session of the collaboration meeting at McGill in March (5+ talks), two analysis meetings took place up to now in 2020 :

- May 20: 7 talks, 24 participants
- July 30: 4 talks, 28 participants

very interesting and successful !
several analyses coming to maturity

Next: analysis session this week (12 talks, September 29-30) and in November 2020.

Analysis Meetings

Analysis Meeting <https://agenda.linearcollider.org/event/8526/>

Wednesday May 20, 2020, 2:00 PM → 4:40 PM Europe/Zurich
Francois Corriveau (McGill University, (CA))

Description CALICE Analysis Meeting
VidyoConnect Room: CALICE_Analysis_Meeting at <https://vidyoportal.cern.ch/join/3ulNsxkRvJ> (Access code: 2006)

2:00 PM → 2:05 PM	Introduction Speaker: Francois Corriveau (McGill University, (CA)) 20200520_calice_a...	5m
2:05 PM → 2:30 PM	PandoraPFA on AHCAL 2018 Data Studies Speakers: Daniel Heuchel (DESY), Daniel Heuchel (Max-Planck-Institut für Physik) DH_calice_pandora_...	25m
2:30 PM → 2:55 PM	Common SIWECAL – SDHCAL TB data analysis Speaker: Hector Garcia Cabrera (Centro de Investigaciones Energéticas Medioambientales y Tecno) Common-SIWECAL-S...	25m
2:55 PM → 3:15 PM	AHCAL Timing Speakers: Lorenz Emberger (Max Planck Institute for Physics), Lorenz Konrad Emberger (Max-Planck-Institut für Physik (DE)) CALICEAnalysis_Em...	20m
3:15 PM → 3:35 PM	Particle ID in the AHCAL using Boosted Decision Trees Speakers: Vladimir Bocharnikov (LPI, DESY), Vladimir Bocharnikov (Deutsches Elektronen-Synchrotron (DE)) VB_BDT_PID_CALIC...	20m
3:35 PM → 3:55 PM	Status on AHCAL Pion Analysis Speaker: Olin Pinto Pion_Analysis_2005...	20m
3:55 PM → 4:15 PM	A shower shape analysis on the 2017 SIW-ECAL data Speakers: Fabricio Andres Jimenez Morales (Centre National de la Recherche Scientifique (FR)), Fabricio Jimenez (LLR) 20200519_CALICE_...	20m
4:15 PM → 4:35 PM	Study for Retrigger of SIW-ECAL Speaker: Yu Kato (University of Tokyo)	20m
4:35 PM → 4:40 PM	Call and Notes Speaker: Francois Corriveau 20200511_calice_a... 9_notes.txt	5m

← minutes/comments added →

Analysis Meeting <https://agenda.linearcollider.org/event/8585/>

Thursday Jul 30, 2020, 2:00 PM → 4:40 PM Europe/Zurich
Francois Corriveau (McGill University, (CA))

Description CALICE Analysis Meeting
VidyoConnect Room: CALICE_Analysis_Meeting at <https://vidyoportal.cern.ch/join/3ulNsxkRvJ> (Access code: 2006)

2020.05.20 - Meeting CALICE Analysis M...

2:00 PM → 2:05 PM	Introduction Speaker: Francois Corriveau (McGill University, (CA)) 20200730_calice_a...	5m
2:05 PM → 2:25 PM	PandoraPFA on AHCAL 2018 Data Studies - Update Speaker: Daniel Heuchel (DESY) DH_pandora_calice_...	20m
2:25 PM → 2:45 PM	SDHCAL energy reconstruction of hadronic showers at CERN PS and SPS Speaker: Bing Liu (Shanghai Jiao Tong University (CN)) CALICE_Analysis_B...	20m
2:45 PM → 3:05 PM	Status on MC production - AHCAL Digitization - Physics Lists Speaker: Olin Pinto MC_DIGL180520.pdf	20m
3:05 PM → 3:25 PM	2017 SIW-ECAL TestBeam data Shower Shape Analysis Speaker: Fabricio Jimenez (LLR) 20200730_CALICE_...	20m
3:25 PM → 3:30 PM	Call and Notes Speaker: Francois Corriveau 20200730_calice_a... 20200730_Notes.txt	5m

Speaker's AOBs (March's slide)

Drafting of publications

Roman had started investigating improvements in our procedures:

- use CERN e-groups for communication

- use of CERN CDS (but versioning problem)

- new numbering scheme, new publication page

CALICE Home Page

<https://twiki.cern.ch/twiki/bin/view/CALICE/WebHome>

to be revamped and discussed with CALICE Management & Speaker's Bureau

CERN e-groups

to be used for communications within CALICE at all levels:

- Management, IB, TB, Speaker's, EB, Groups, Technologies, ..

more flexible but requires feedback from all groups

Summary

Publications and presentations are the faces of CALICE.

Group leaders should encourage their members to write down their work in the form of CALICE notes

“Have Note Will Publish”

Analysis meetings are proving very useful to share techniques and discuss results across the collaboration.