

## Report from the CALICE Speakers' Bureau

Marina Chadeeva, on behalf of the CALICE SpB



# CALICE analyses

## Physics prototypes era: 2006-2012

Published papers:

- Si-W ECAL: **5**
- Sc ECAL: **2**
- AHCAL: **7** (Fe) + **2** (W)
- SDHCAL: **3** + 1 (no CALICE)
- DHCAL: **1** + 8 (no CALICE)
- TCMT: **1**
- T3B: **2**
- **1** general paper (based on SiW ECAL + Fe-AHCAL data)

## Technological prototypes era

Several analyses ongoing, but only one CAN is now ready to be reviewed

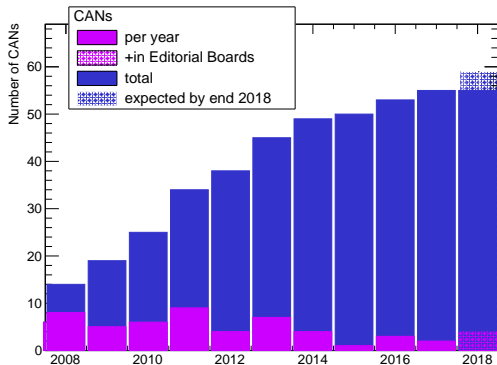
## Several examples of extrapolation to ILD:

test of PandoraPFA, calibration for ILD (CAN-018),  
shower leakage (CAN-019 and CAN-029), shower separation (CAN-057)

# CALICE Analysis Notes status and statistics

## 55 CANs available on twiki

- 2 CANs released in 2017
- 1 CAN currently in EdB
- 1 CAN waits for EdB
- 3 CANs in preparation



Status can be found at <https://twiki.cern.ch/twiki/bin/view/CALICE/EditorialBoards>

## CALICE Internal Notes

<https://twiki.cern.ch/twiki/bin/viewauth/CALICE/CaliceInternalNotes>

(no review, no public access)

1 CIN published in 2017

# CALICE Analysis Notes progress

## Released in 2017

- CAN-057: *Separation of showers in SiW ECAL using Pandora, Garlic and Arbor* (Konstantyn Shpak)
- CAN-058: *Software compensation in combined calorimeter* (Yasmine Israeli, Frank Simon)

## In Editorial Boards

- CAN-059: *Particle ID in the SDHCAL using BDT* (Bing liu, Imad Laktineh)
- CAN-060: *Time analysis of the W-AHCAL technological prototype* (Christian Graf)

## Under preparation

- Timing in the Fe-AHCAL technological prototype (Eldwain Brianne)
- Comparison of Fe-AHCAL and W-AHCAL data (Marina Chadeeva)
- Si-W ECAL + DHCAL combined analysis (Francois Corriveau)

# Journal publications statistics

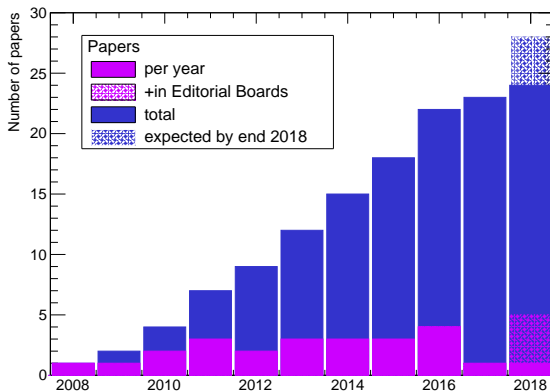
## CALICE publication activity

### Statistics:

- 24 published

### Current status:

- 3 under review in Editorial Boards
- 1 under collaboration review
- 2 on hold



Promising expectations for 2018.

## Journal publications progress

### Published in 2017/2018

- *Tracking within Hadronic Showers in the CALICE SDHCAL prototype using a Hough Transform Technique*, JINST 12 (2017) P05009; arXiv:1702.08082 (Imad Laktineh)
- *Construction and Response of a Highly Granular Scintillator-based Electromagnetic Calorimeter*, NIM A887 (2018), 150; arXiv:1707.07126 (Katsu Kotera)

### Under review In Editorial Boards

- Paper 025: *Hadronic Shower Separation in the SDHCAL* (Rémi Eté, Imad Laktineh)
- Paper 027: *Analysis of Fe-DHCAL data* (Coralie Neubüser)
- Paper 028: *Track Segments in the Si-W ECAL* (Sviatoslav Bilokin, Roman Pöschl)

### Under collaboration review

- Paper 029: *Analysis of the combined scintillator calorimeter* (Oskar Hartbrich)

### Expectations

- *Analogue, Digi and Semi-Digi Reconstruction in the AHCAL* (Coralie Neubüser)
- *Software compensation in combined calorimeter* (Yasmine Israeli)

# CALICE representation at conferences

## In 2017

- BTTB5, Barcelona, Spain — 2 talks
- INSTR, Novosibirsk, Russia — 2 talks
- TIPP, Beijing, China — 5 talks
- EPS-HEP, Venice, Italy — 1 talk
- AWLC, Stanford, USA — 8 talks
- TWEPP, Santa Cruz, USA — 2 CALICE-related contributions
- CHEF, Lyon, France — 10 talks
- LCWS, Strasbourg, France — 6 talks
- IEEE NSS, Atlanta, USA — 2 talks

## In 2018

- BTTB6, Zürich - 1 talk

## Upcoming conferences

### From the list on

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

- CALOR 2018, Eugene, Oregon, USA, May 21-25 (deadline is April 1)
- ELBA 2018, Elba, Italy, 27 May 2018 - 02 June (deadline is March 18)
- ALCW 2018, Fukuoka, Japan, May 28 - June 1
- LCWS 2018, Arlington, USA, October 22-26
- 2018 IEEE NSS, Sydney, Australia, November 10-17 (deadline is May 9)

Abstract submission is not centralized and you are kindly asked to inform the SpB if you plan to submit an abstract on behalf of CALICE. Please let the SpB know about the status of your talk.

### ICHEP 2018, Seoul, Korea, July 4-11

**Abstract submission is centralized (deadline is March 16).** We plan to submit two abstracts, which are currently under discussion in SpB.



# Analysis session on Friday at 9:00

## Agenda

- Discussion of the current status of collaboration review of Oskar's paper
- New AHCAL prototype data analysis
  - Pion data of 2015
  - Timing analysis: towards the analysis notes
- Particle ID in SDHCAL
- Simulation studies for the CLIC and FCCee calorimetry
- Discussion of the renovation and improvement of twiki pages

# CALICE Speakers' Bureau

## SpB Chair elections

**Please welcome Roman Pöschl as a new Speakers' Bureau Chair.**

For smooth transition, I will be on duty during the transition period.

**Many thanks to all members of Editorial Boards of CALICE Notes and Papers.**

**Many thanks to Frank Simon for his help and support during my work as a Chair of the CALICE Speakers' Bureau.**

**Thank you all for cooperation!**

Please do not hesitate to contact any member of the SpB in case of problems/questions.

**Backup slides**

# Reminders on the publication and presentation policy

## Publication workflow

- Please take a look at the publication guidelines on our twiki page <https://twiki.cern.ch/twiki/bin/view/CALICE/SpeakersBureau>
- Remember the "opt in" principle of the CALICE authorship:
  - **do not forget to claim the authorship of your group on the dedicated twiki page for the particular paper**; the link to the author list is usually circulated together with the announcement of the Collaboration review;
  - **check the provided tex file to manage the authorship of the members of your group.**

## Conference presentations

- Only plots approved as "CALICE Preliminary" can be shown in public presentations.
- You are kindly asked to inform the SpB if you want to submit an abstract on behalf of CALICE; we always try to coordinate the presentation of CALICE activities and optimize a set of submitted abstracts to avoid rejection of interfered contributions especially to such global events as ICHEP, EPS-HEP, etc.
- **Please do not forget to**
  - **circulate your slides at least one week before the talk;**
  - **circulate the proceedings paper (if any).**