

Report from the Speakers Bureau

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Max-Planck-Institute for Physics

CALICE Collaboration Meeting

March 2014

Argonne National Laboratory, Argonne, IL, USA



Journal Publications

Since the last Collaboration Meeting (September 2013, Annecy):

- **Published:**

- *Show development of particles with momenta from 1 to 10 GeV in the CALICE Scintillator-Tungsten HCAL, JINST 9 P01004 (2014) (A. Lucaci-Timoce)*

- **Submitted:**

- *Performance of the first prototype of the CALICE scintillator strip electromagnetic calorimeter, arXiv:1306.3037, submitted to NIM A (D. Jeans)*

- **Collaboration Review:**

- *The Time Structure of Hadronic Showers in highly granular Calorimeters with Tungsten and Steel Absorbers , to be submitted to JINST (F. Simon)*

- **In editorial boards:**

- *ScECAL Fermilab results (K. Coterra)*
- *Optimization of Energy resolution in the DHCAL (J. Smith) - advanced draft*
- *Hadron interactions in the SiECAL (N. van der Kolk, R. Pöschl)*

- **Related publications - not full collaboration:**

- *T3B - An Experiment to measure the Time Structure of Hadronic Showers, JINST 8 12001 (2013) (F. Simon, C. Soldner, L. Weuste)*

CALICE Analysis Notes

Since the last Collaboration Meeting (September 2013, Annecy):

- **Released:**

- *Study of the response of the CALICE Si-W ECAL Physics Prototype to positrons using data taken at the Fermilab test beam facility - first presented at LCWS (Y. Miyazaki)*
- *Tracking within Hadronic Showers in the SDHCAL prototype using Hough Transform Technique - first presented at LCWS (I. Laktineh)*

- **Collaboration Review:**

- *Parametrisation of hadron shower profiles in the CALICE Sc-Fe AHCAL - to be presented at CALOR (M. Chadeeva) - **Please read and comment!***

- **In editorial boards:**

- *Fractal dimension analysis (M. Ruan)*

Conferences

- ***Presentations at recent conferences:***

- ICATPP, Como, September 2013 - 1 Talk
- IEEE NSS, Seoul, October 2013 - 4 Talks, 1 Poster
- LCWS, Tokyo, November 2013 - 18 Talks

- ***Upcoming conferences:***

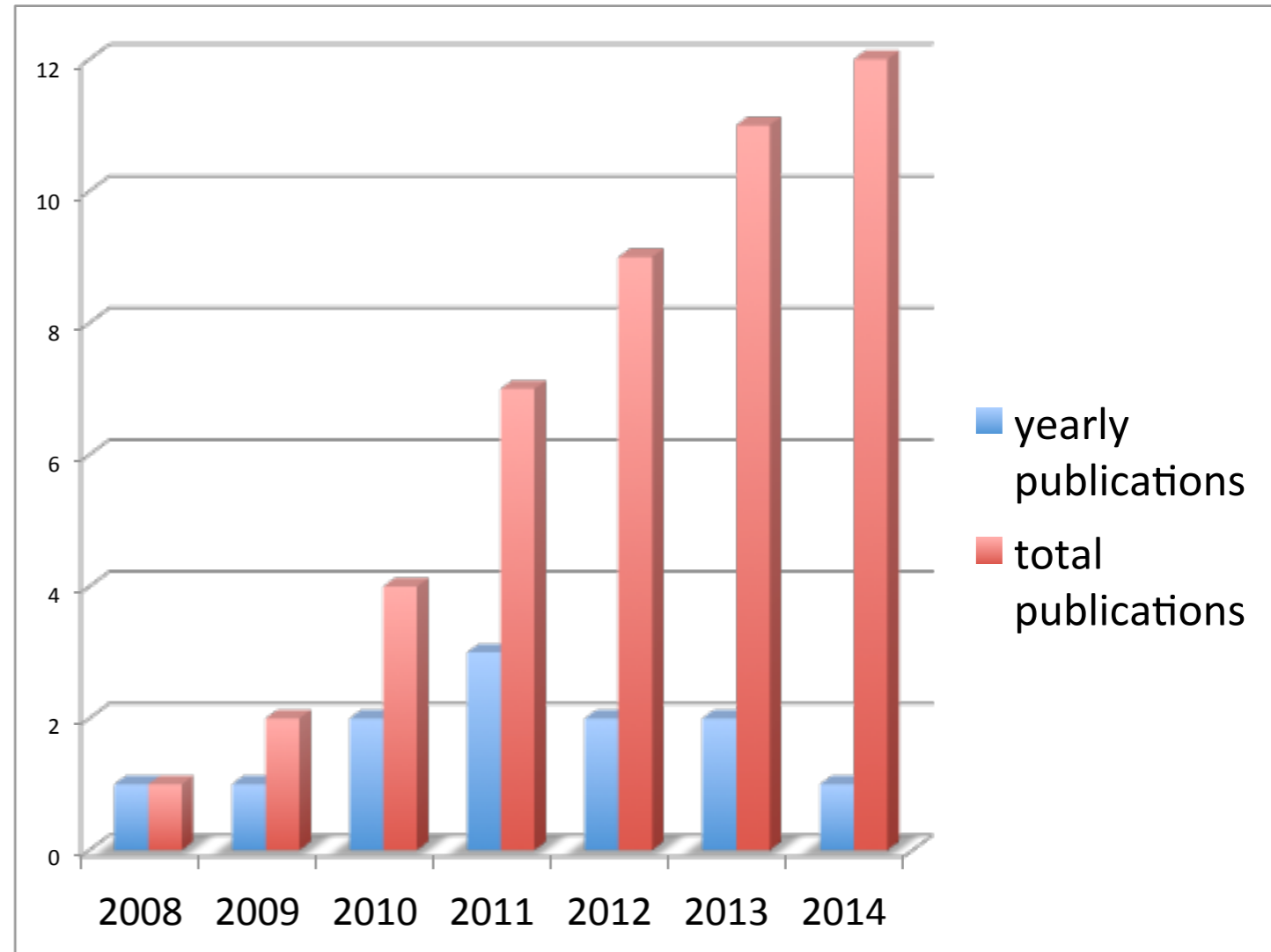
- CALOR, Giessen, April 2014 - 8 CALICE and CALICE-related talks accepted
- TIPP, Amsterdam, June 2014 - 13 CALICE and CALICE-related abstracts submitted
- responses now coming in - so far heard only positive ones

- ***Future conferences:***

- ICHEP, Valencia, July 2014 - typically only ~1-2 CALICE presentation, abstract deadline April 15 - ***Need to discuss at this meeting!***
- LCWS, Belgrade, October 2014
- IEEE NSS, Seattle, November 2014 - abstract deadline early May

Getting Things Published

- Journal publication rate very good for a R&D Collaboration
 - Full collaboration papers related to physics prototypes (technical + results):
12 papers
 - typically two papers per year



Still a lot to come - no papers yet based on:

- ScECAL
- DHCAL
- SDHCAL
- WDHCAL
- T3B

(NB: T3B, ScECAL, DHCAL already in pipeline)

Getting Things Published

- Still - no reason to be lazy:
We should try to move as many of our CANs to publications as possible
(Might not be possible / useful in each case)

It is not easy:

- A journal publication entails a higher level of scrutiny - and you don't get anything "new" to show at a conference, you only lose the "preliminary" label
- Often extends beyond the "lifetime" of PhD students - Requires careful planning to ensure publications can be finished by others, and also sometimes understanding from collaborators - without compromising quality

It is worth it:

- Our high-quality publications - including physics results - are what set CALICE apart from many other R&D efforts
- Vital to document the success and the capabilities of our way of doing calorimetry

Getting Things Published

- Procedures are established - and typically work quite well - but this is not automatic!
- ▶ Speedy progress needs a strong driver - in our present system this should be the primary author -> SpB Chair can provide help where needed, but needs to be informed to act!
- ▶ Cooperation by all needed: If you think you will have substantial comments to an analysis in preparation for publication, get involved early! At the very least, comment as soon as possible in the collaboration review, don't wait until past the deadline, or until the second (or third) iteration in the collaboration - and keep the exchange friendly

For authors:

- Don't panic when you get criticized - we are all on the same team - Comments are meant to make your publication stronger!

Recommended Time Line

- In the editorial board:
 - Give 2 weeks for comments in the first iteration
 - If changes are small, 1 week for additional iterations - for major modifications 2 weeks are more appropriate
 - If time is tight: Shorter intervals, if possible
- Collaboration review
 - Give 2 weeks for comments in the first iteration
 - If changes are small, 1 week for additional iterations - for major modifications 2 weeks are more appropriate
 - For notes: If time is tight: Shorter intervals
 - For papers: Post version with author list and acknowledgments for final round of comments
- Before submission / release:
 - Confirm with editorial board that all issues have been addressed
 - Final confirmation from Speakers Bureau Chair (-> Get in touch with me once you get to the final iteration for comments!)

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Have your note ready for the editorial board 6 - 8 weeks prior to the start of the conference you are aiming for!
- The earlier the better -

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- Before submission / release:
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 - Final confirmation from Speakers Bureau Chair (-> Get in touch with me once you get to the final iteration for comments!)

Authorship for Papers

- The CALICE authorship guidelines stated that the author list for each paper is build based on an **opt-in** approach:
 - Each group leader has to respond for each paper if the group should be included in the author list, and should communicate changes with respect to a reference author list given in the call for confirmations
 - **NB: No response means no to authorship**
 - even if your group should not be on the author list, a response is appreciated!
 - Was handled somewhat differently up to now - typically many non-responding institutes, this has to change!
 - Example T3B paper: Only 10 responses, 2 opt-in w/o changes, 6 with changes, 2 opt-out
 - Please take authorship in CALICE seriously - Respond to calls that go out for each paper!

CALICE authorship guidelines:

<https://twiki.cern.ch/twiki/pub/CALICE/SpeakersBureau/CaliceAuthorListGuidelines.pdf>