

# RDC #9

# Calorimetry

Introductory remarks

Marina Artuso, Syracuse University  
Minfang Yeh, BNL

# RDC 9: Calorimetry

- RDC Coordinator(s)
  - Marina Artuso:
    - [martuso@syr.edu](mailto:martuso@syr.edu)
  - Minfang Yeh:
    - [yeh@bnl.gov](mailto:yeh@bnl.gov)
- Dedicated RDC Email List
  - [cpad\\_rdc9@fnal.gov](mailto:cpad_rdc9@fnal.gov)
  - To subscribe:
    - Send an e-mail message to [listserv@fnal.gov](mailto:listserv@fnal.gov)
    - Leave the subject line blank
    - Type “SUBSCRIBE cpad\_rdc9 FIRSTNAME LASTNAME” (without the quotation marks) in the body of the e-mail message



Marina Artuso  
Syracuse University  
LHC, QCD, radiation-  
hard detector



Minfang Yeh  
Brookhaven Nat'l Lab  
Neutrino, dark matter,  
and material/detector  
development

# RDC 9 - Calorimetry

- As of today
  - CPAD-RDC9: 54 subscribers
  - A biweekly coordination meeting beginning in July; will invite interested parties to join the call
- Roadmap:
  - A community RDC9 kickoff meeting scheduled on July 17 (today).
  - Series of meetings to gather community interests (monthly?)
  - Short-term plan and 1-2 year goals: develop R&D proposal to be discussed at CPAD Workshop 7-10 November @ SLAC [indico page not yet available]
- Overlap and Identify synergies with ECFA/DRD6 and other RDCs

# RDC 9: R&D Priorities

- Areas of R&D Priorities to be developed on the basis of the [BRN report](#) & [Snowmass IF6 Report](#) + additional community input
- CPAD Goal: identify contributions to R&D priorities that are synergistic among different experimental communities to develop new approaches and ideas
- From the BRN report three main broad R&D areas
  - ❑ Topic Area #1: Enhance calorimetry energy resolution for precision electroweak mass and missing-energy measurements
  - ❑ Topic Area #2: Advance calorimetry with spatial and timing resolution and radiation hardness to master high-rate environments
  - ❑ Topic Area #3: Develop ultrafast media to improve background rejection in calorimeters and particle identification detectors

# RDC 9: Roadmap

- ❑ Short-term plans to engage the community
  - ❑ Topic area meeting: starting today, let us decide on the frequency
  - ❑ 1 page white-paper to discuss possible contributions
  
- ❑ 1-2 year goals for the RDC 9:
  - ❑ Aspirations for small collaboration funding asks in the coming year to be discussed during the CPAD workshop
  
- ❑ For discussion today:
  - ❑ What do you see as the place(s) where broader collaboration building (not linked to project funding) can advance R&D goals

# RDC 9: Closing Discussion

- Share your ideas on how to organize our R&D proposal
  - ....
  - ....
- Areas of overlap with other RDCs / DRDs / existing collaborations