Agendas for the coming TIC meetings

February 2024

- 19 Feb TIC meeting planning for TDR effort NEW
- 12 Feb TIC meeting Tracking update
- 05 Feb TIC meeting Cooling

January 2024

- 29 Jan TIC meeting DB for detector information
- 22 Jan TIC meeting Update on radiation hardness studies built-in calibration systems/tools;

1/22/2024 TIC (S. Dalla Torre)

Today

TIC meeting - Update on radiation hardness studies - built-in calibration systems/tools;

Monday 22 Jan 2024, 09:00 → 11:00 US/Eastern

Silvia Dalla Torre (INFN, Trieste)

Description Technical and Integration Council Meeting

Join Zoom Meeting

https://cern.zoom.us/j/9374314394?pwd=YTFjZjFGcXptMG13cGFQYWFQ0WdrZz09

Recording:

09:00 → 09:05 Communications Speaker: SIIvia Dalla Torre (INFN. Trieste) → 09:30 Radhard studies, an update Speaker: Prakhar Garg (Yale University) 09:35 → 09:40 Needs and plans for built-in calibration systems/tools Speakers: Ernst Sichtermann (Lawrence Berkeley National Laboratory), Laura Gonella (University of Birmingham) 09:40 → 09:45 Needs and plans for built-in calibration systems/tools Speakers: Francesco Bossu (CEA-Saclay), Kondo Gnanvo (Jefferson Lab) 09:45 → 09:50 Needs and plans for built-in calibration systems/tools Speakers: Carlos Munoz Camacho (IJCLab, CNRS/IN2P3), Tanja Horn (Cath) → 09:55 Needs and plans for built-in calibration systems/tools Speakers: Maria Zurek (Argonne National Laboratory), Sylvester Joosten (Argonne National Laboratory), ZISIS Papandreou (University of Regina) 09:55 → 10:00 Needs and plans for built-in calibration systems/tools Speaker: oleg tsal (ucla) 10:00 → 10:05 Needs and plans for built-in calibration systems/tools Speaker: Leszek Kosarzewski (Ohio State University) 10:05 → 10:10 Needs and plans for built-in calibration systems/tools Speakers: Megan Connors (Georgia State University), Stefan Bathe (Baruch College, CUNY, & Department of the College, CUNY, & Department of the College of th bHCalBuiltInCalibra... 10:10 → 10:15 Needs and plans for built-in calibration systems/tools Speaker: Friederike Bock (ORNL) 10:15 → 10:20 Needs and plans for built-in calibration systems/tools Speaker: Alexander Kiselev (BNL) → 10:25 Needs and plans for built-in calibration systems/tools Speakers: Grzegorz Kalicy (CUA), Joe Schwiening (GSI Helmholtzzentrum fuer Schwerionenforschung GmbH), Joe Schwiening (GSI) 10:25 → 10:30 Needs and plans for built-in calibration systems/tools Speaker: Marco Contalbrigo (INFN Ferrara) 10:30 → 10:35 Needs and plans for built-in calibration systems/tools Speakers: Satoshi Yano, Zhenyu Ye (Lawrence Berkeley National Laboratory/University of Illinois at Chicago) 10:35 → 10:40 Needs and plans for built-in calibration systems/tools Speaker: Alexander Jentsch (Brookhaven National Laboratory) 10:40 → 10:45 Needs and plans for built-in calibration systems/tools Speakers: Leszek Kosarzewski (Ohio State University), Nicholas Zacharlou (University of York)

TDR effort

Requests to DSLs

a TDR plan for their subsystem for calendar year 2024, including:

- The lab/testbeam/prototyping needed;
- The futher progress needed for the reconstruction software;
- The verification of the implementation of the detector and detector response in simulation and validation using information from lab/testbeam exercises or from literature;
- The studies required to demonstrate the detector performance;
- The required engineering design;
- The needed resources to achieve 60% (CD-2) and 90% (CD-3) design completion;
- The plan should include the time required to draft the text for the pre-TDR (CD-2) and TDR (CD-3).

The plan should present the activities required **month by month** in order to allow progress to be monitored.

The available time is limited:

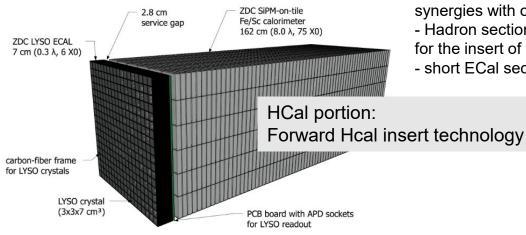
- please make an educated selection of the most essential studies doable within the available time;
- In the planning exercise **shortcoming in workforce and resources** will be identified: those shortcomings should be clearly identified so everyone is aware and we can work together to address them.

The plans will be **presented at dedicated CC WG meetings**, to be organized by the CC WG conveners over the next few weeks.

The CC WG conveners will be asked to report on the status of the planning at the TIC meeting on Monday Feb. 19.

DSC NEWS

ZDC layout



Following the selected of the new baseline of the ZDC, the FF DSC has been updated with the addition of one more DSTC

New baseline:

A different technology to reduce cost and risks while preserving performance, and increase synergies with other subsystems:

- Hadron section by SiPM-on-tile (the technology for the insert of the forward HCAL)
- short ECal section by Lyso crystals

FAR FORWARD

DSL: Alex Jentsch (BNL)
DSTC (B0): Zvi Citron (Ben-Gurion)
DSTC (Roman Pots/OMD):

Alex lentsch (RNL)

Co-DSTC (ZDC): Yuji Goto (RIKEN) Co-DSTC (ZDC): Miguel Arratia (UCR)

SPOKESPERSON'S OFFICE

J. Lajoie (ORNL), Spokesperson S. Dalla Torre (INFN), Deputy Spokesperson

TECHNICAL COORDINATION OFFICE

Silvia Dalla Torre (INFN, interim) Prakhar Garg (Yale), Deputy Oskar Hartbrich (ORNL), Deputy Matt Posik (Temple), Deputy

dRICH

DSL/DSTC: Marco Contalbrigo (INFN)

hpDIRC

DSL/DSTC: Greg Kalicy (CUA)

BACKWARD RICH

DSL/DSTC: Alexander Kiselev (BNL)

FAR FORWARD

DSL: Alex Jentsch (BNL)
DSTC (B0): Zvi Citron (Ben-Gurion)
DSTC (Roman Pots/OMD):

Alex Jentsch (BNL)

Co-DSTC (ZDC): Yuji Goto (RIKEN)

Co-DSTC (ZDC): Yuji Goto (RIKEN)
Co-DSTC (ZDC): Miguel Arratia (UCR)

LUMINOSITY

Co-DSL: Nick Zachariou (York) Co-DSL: Krzysztof Piotrzkowski (AGH Krakow)

DSTC (Pair Spectr.):

Dhevan Gangadharan (Houston)

FAR BACKWARD HIGH RATE TRACKER

DSL: Jaroslav Adam (CTU)
DSTC: Simon Gardner (Glasgow)

SI TRACKERS

DSL: Ernst Sichtermann (LBL) **DSTC:** Laura Gonella (Birmingham)

BACKWARDS ECAL

DSL: Tanja Horn (CUA)
DSTC: Carlos Munhoz (IJCLab)

BACKWARDS HCAL

DSL/DSTC: Leszek Kosarzewski (OSU)

BARREL ECAL

Co-DSL: Sylvester Joosten (ANL) Co-DSL: Hwidong Yoo (Yonsei) Deputy DSL: Maria Zurek (ANL) DSTC (Si): Jessica Metcalfe (ANL) DSTC (SciFi/Pb): Zisis Papandreou (Regina)

BARREL HCAL

Co-DSL: Stefan Bathe (Baruch)
Co-DSL: Megan Connors (GSU)

FORWARD ECAL

Co-DSL/DSTC: Oleg Tsai (UCLA)
Co-DSL: Huan Huang (UCLA)

FORWARD HCAL

DSL/DSTC: Friederike Bock (ORNL)
Deputy DSL/DSTC: Miguel Arratia
(UCR)

AC-LGAD TOF

DSL: Zhenyu Ye (LBL)
Deputy DSL: Satoshi Yano
(Hiroshima)

GASEOUS TRACKERS

DSL: Kondo Gnanvo (LBL)
DSTC: Maxence Vendenbroucke
(Saclay)



Collaborations