

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;

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=YTFjZjFGcXptMG13cGFGQYWFQ0WdrZz09>

Recording:

09:00 → 09:05 **Communications**

Speaker: Silvia Dalla Torre (INFN, Trieste)

09:10 → 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)

09:50 → 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, & RERC)

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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)

10:20 → 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 Zachariou (University of York)

Requests to DSLs

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

- The lab/testbeam/prototyping needed;
- The further 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.

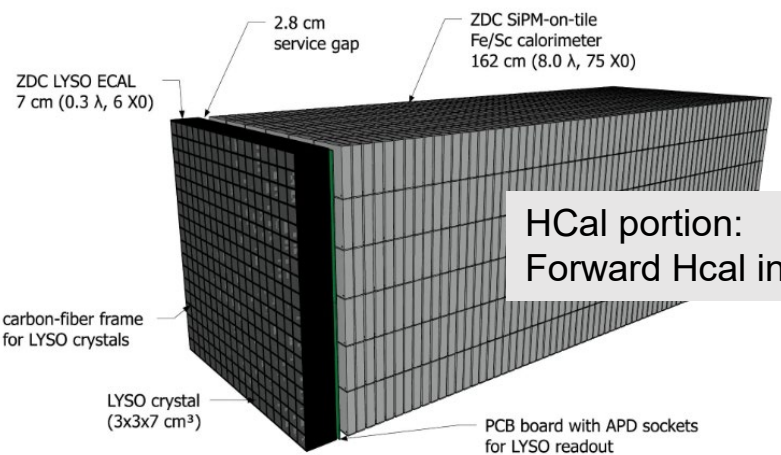
The **available time is limited**:

- 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.

ZDC layout



HCal portion:
Forward Hcal insert technology

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

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

