COMMUNICATIONS

TC-Office

TIC meeting, MaY 11th 2026

BACKGROUND CHALLENGES, NEXT ROUND

GOALS (reminder): Answering to 3 families of questions:

a) Impact on detector performance;

b) Impact on data flow, requested bandwidth and potential dead-time;

c) radiation/fluence damages.

Using data from simulation campaigns

Using radiation maps with DIS + background

First Pass: 03/30 – 04/11

- Different assessment level
- Planning indicated by most of the DSCs
- Goal: completion within a few weeks

Second Pass: 05/18 – 06/01

- Report about progress according to planning
- **Impact on data flow, requested bandwidth and potential dead-time EXPECTED FROM ALL DSCs, PID included**

BACKGROUND CHALLENGES, NEXT ROUND

May 18th

- EI/R-O/DAQ WG
  - Planned: template of a global table to summarize occupancy and data flow including background
- FF
- Low-Q^2 taggers
  - status and timelines for the missing ingredients
- Luminosity system
- SVT
- MPGDs
- pfRICH
  - occupancy studies
- dRICH
  - occupancy studies

June 1st

- [EEEMCAL
  - postponed waiting for new simulation samples]
- BIC
- FEMCAL
- nHCAL
  - first report
- Barrel HCAL
- LFHCAL
  - first report
- hpDIRC
  - occupancy studies
- TOF
  - occupancy studies

BACKGROUND CHALLENGES, NEXT ROUND

A request to all DSCs

- There are several cases in which more advanced studies require specific simulation data and, in a few number of cases, also other ingredients not yet available

- Please, put all these needs in evidence in your report otherwise we will loop in circles instead of progressing!

Thank you

TIC TODAY

TIC meeting - Mechanics and integration update; FCFD-32 channels

Monday 11 May 2026, 09:00 → 11:35 US/Eastern

Silvia Dalla Torre (INFN, Trieste)

Description Technical and Integration Council Meeting

Join Zoom Meeting

https://cern.zoom.us/j/9374314394?pwd=YTFjZjFGcXptMG13cGFQYWFQOWdrZz09

Recording:

09:00 → 09:05 **Communications** 5m

Speakers: Matt Posik (Temple University), Oskar Hartbrich (Oak Ridge National Lab), Prakhar Garg (Yale University), Silvia Dalla Torre (INFN, Trieste)

09:10 → 09:25 **DSC communications** 15m

Speakers: Alexander Jentsch (Brookhaven National Laboratory), Alexander Kiselev (BNL), Brian Page (Brookhaven National Laboratory), Carlos Munoz Camacho (IJCLab, CNRS/IN2P3), Ernst Sichtermann (Lawrence Berkeley National Laboratory), Friederike Bock (ORNL), Grzegorz Kalicy (CUA), Hwidong Yoo (Yonsei University), Jaroslav Adam, Kondo Gnanvo (Jefferson Lab), Krzysztof Piotrzkowski (AGH UST), Laura Gonella (University of Birmingham), Dr Leszek Kosarzewski (Ohio State University), Marco Contalbrigo (INFN Ferrara), Maria Zurek (Argonne National Laboratory), Megan Connors (Georgia State University), Miguel Arratia (University of California, Riverside), Nicholas Zachariou (University of York), Oleg Tsai, Satoshi Yano (Hiroshima University), Dr Simon Gardner (University of Glasgow), Stefan Bathe (Baruch College, CUNY, & RBRC), Sylvester Joosten (Argonne National Laboratory), Tanja Horn (Cath), Zhangbu Xu (Kent State University)

09:30 → 09:50 **Mechanics and integration, an update** 20m

Speaker: Roland Wimmer

09:55 → 10:15 **B-TOF requirements for the FEE ASIC** 20m

Speaker: Satoshi Yano (Hiroshima University)

10:20 → 10:40 **Justification for a 32-channel FCFD ASIC for B-TOF readout** 20m

Speakers: Artur Apresyan (Fermilab), Sergey Los (member@fnal.gov)