



Joint SC-TC PID meeting

Introduction

S. Dalla Torre - September 22nd 2025

PID Software – Timelines and Goals

Phase	Time	Goals
preTDR	ongoing in 2025	availability of material illustrating the standalone PID subsystem performance with the current reconstruction status
TDR	2026-mid 2027	reconstruction implemented in EICRecon for each subsystem, PID performance reevaluated, availability for the physics studies
After TDR	from mid 2027 on	integrated PID response of the ePIC detector

Joint meeting Agenda

- **Introduction:** PID software timelines and requirements for the preTDR, TDR, and beyond.
- **Status of preTDR Studies:** Overview of the PID studies included in the preTDR, including potential gaps.
- **Status and Plans for PID Reconstruction:**
 - dRICH and pfRICH
 - hpDIRC
 - TOF
- **Data Model:** Overview of the PID data model, including all relevant subsystems and the calorimeters, with a brief explanation of its purpose. Complemented by a broader perspective on a potential global PID scheme, as a shared data model lays the groundwork for combining PID information across detectors.

preTDR

TDR

TDR

TDR

TDR and beyond TDR

Joint meeting Agenda

TIC meeting - Joint SC-TC PID meeting

Monday Sep 22, 2025, 8:10 AM → 11:05 AM

US/Eastern

Markus Diefenthaler (Jefferson Lab) , Silvia Dalla Torre (INFN, Trieste)

Description

Technical and Integration Council Meeting

We will discuss the next steps on PID in a joint SC-TC setting. The agenda will include a status update on pre-TDR studies, a presentation on the current status and future plans for PID reconstruction for each subsystem, and a talk on the PID data model.

Join Zoom Meeting

<https://cern.zoom.us/j/9374314394?pwd=YTFjZjFGcXptMG13cGFQYWwdrZz09>

Recording: <https://youtu.be/vbwSmELgwR8>

9:00 AM → 9:10 AM

Introduction

Speaker: Silvia Dalla Torre (INFN, Trieste)

10m

9:15 AM → 9:25 AM

Status and Plans for PID Reconstruction: ToF

Speaker: Kentaro Kawade (Shinshu University)

10m

9:30 AM → 9:45 AM

Status of preTDR Studies

Speaker: Thomas Ullrich (BNL)

15m

9:50 AM → 10:00 AM

Status and Plans for PID Reconstruction: hpDIRC

Speaker: Grzegorz Kalicy (CUA)

10m

10:05 AM → 10:15 AM

Status and Plans for PID Reconstruction: pFRICH and dRICH

Speaker: Alexander Kiselev (BNL)

10m

10:20 AM → 10:40 AM

Data Model

Speakers: Dmitrii Kalinkin (University of Kentucky), Oskar Hartbrich (Oak Ridge National Lab)

20m

preTDR

TDR

TDR

TDR

TDR and beyond TDR

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