TIC meeting

August 5

TIC meeting

schedule

September 2024

- 23 Sept · TIC meeting - TDR effort, progress (electr./r-o/DAQ) `NEW`
- 16 Sept · TIC meeting - TDR effort, progress (FB) `NEW`
- 09 Sept · TIC meeting - TDR effort, progress (FB) `NEW`
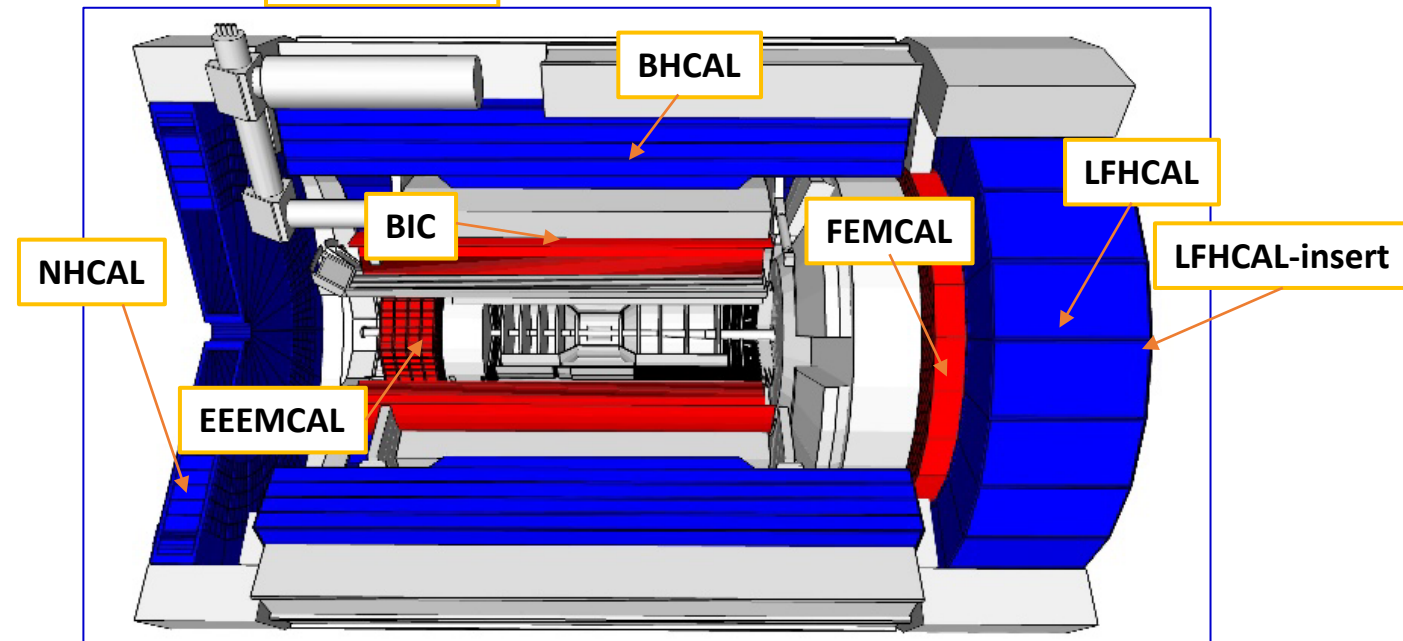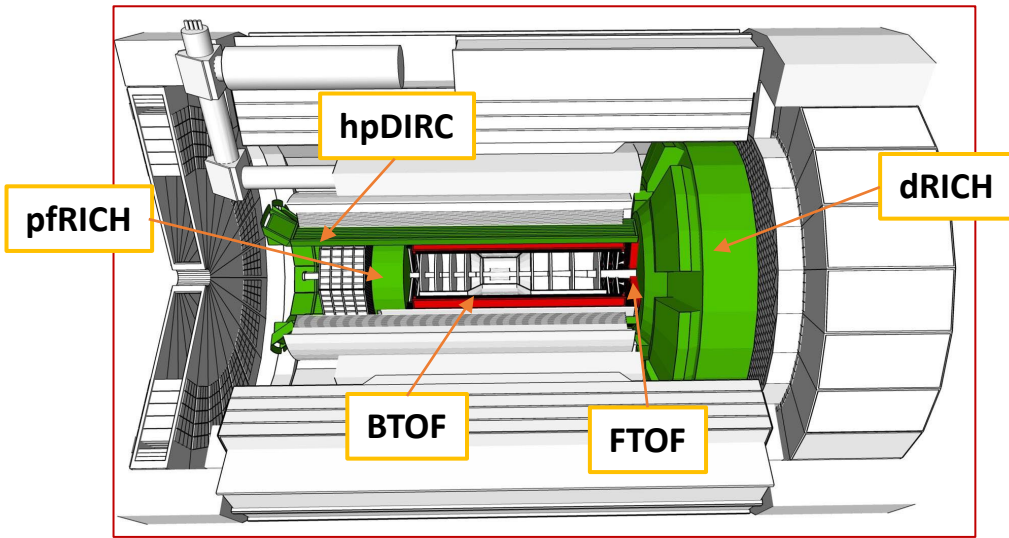- 02 Sept · TIC meeting - TDR effort, progress (FF) `NEW`

August 2024

- 26 Aug · TIC meeting - TDR effort, progress (PID); pfRICH prototype `NEW`
- 19 Aug · TIC meeting - TDR effort, progress (tracking); uRWELL-BOT resolution
- 12 Aug · TIC meeting - CANCELLED - major holiday in Europe
- 05 Aug · TIC meeting - TIC organization aspects

DSC-names

As extracted from the usage in the DSC collaboration activities

**Please, confirm or correct!
Thank you**

Inner Barrel (IB)

Outer Barrel (OB)

CyMBaL

μRWELL-BOT

Electron and Hadron Endcap Disks (EE, HE)

μRWELL-ECT

hpDIRC

dRICH

pfRICH

BTOF

FTOF

BHCAL

LFHCAL

BIC

FEMCAL

LFHCAL-insert

NHCAL

EEEMCAL
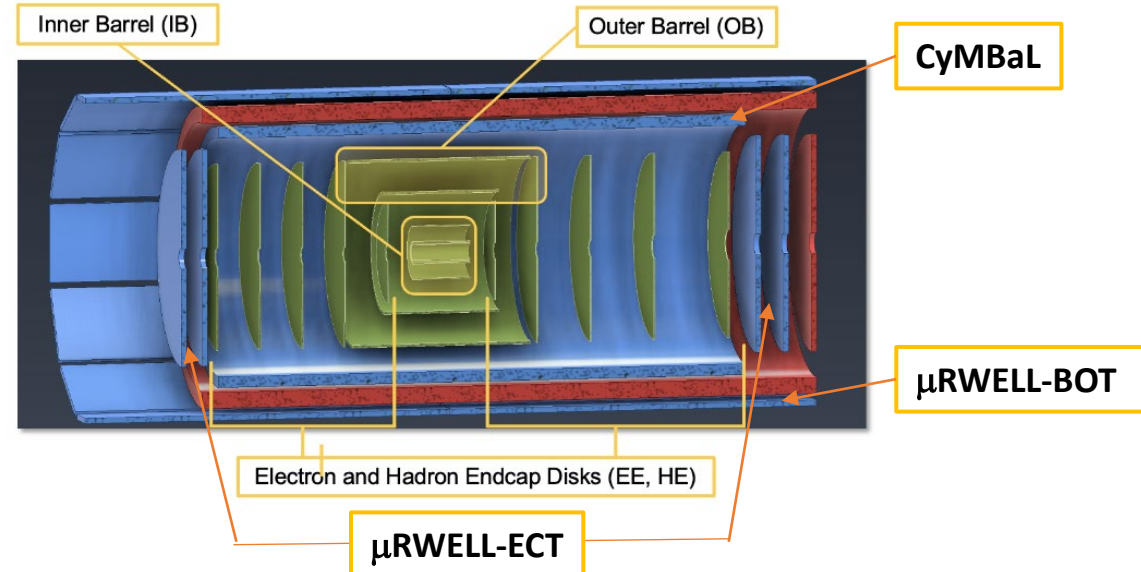
As extracted from the usage in the DSC collaboration activities

Please, confirm or correct! Thank you
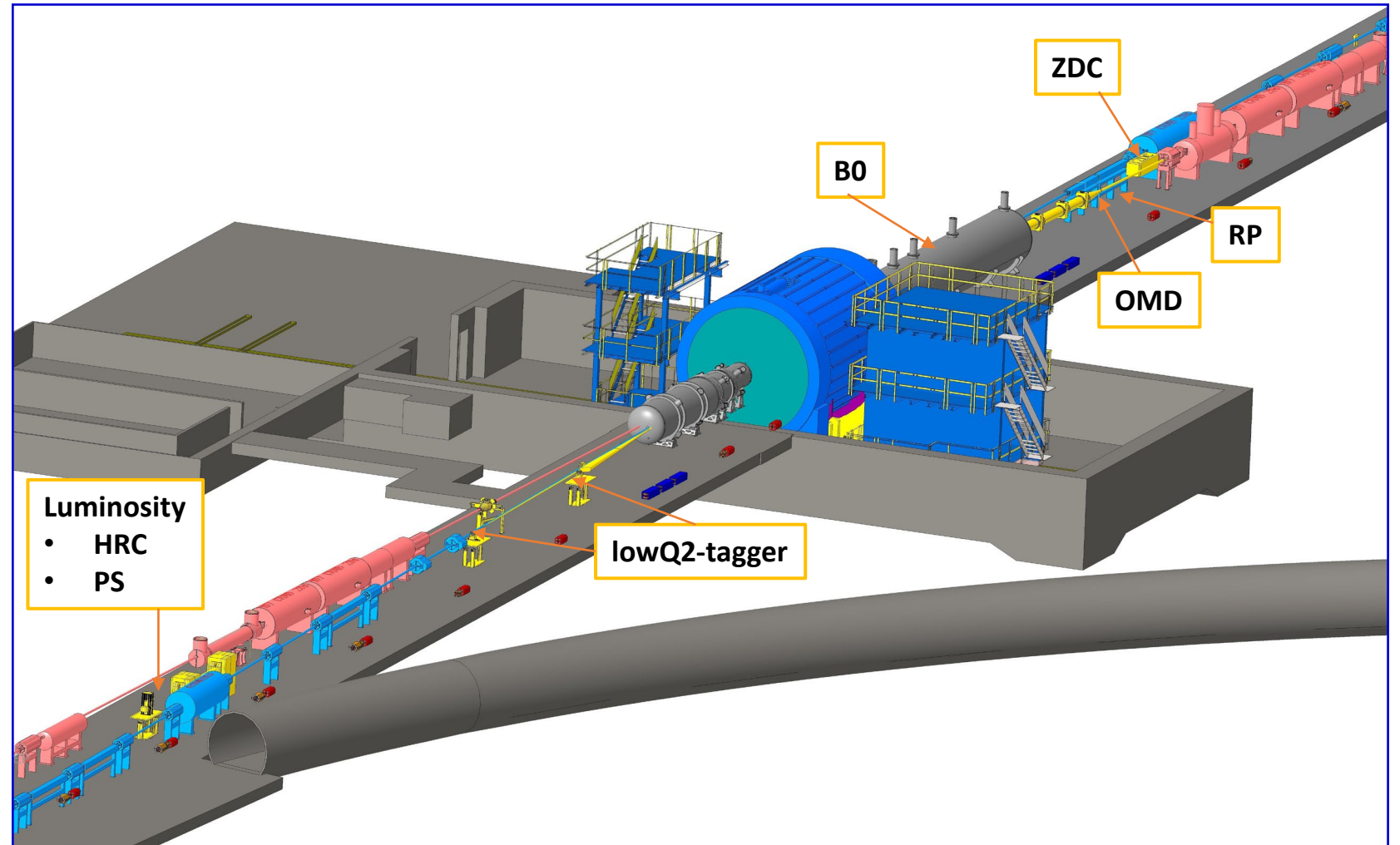
preTDR drafts
Version0
Version1

Schedule

ZOOMING

2 preTDR draft versions in 2024

- **Version0** by **September 29** available in overleaf (*)

- During October 2024, internal review process!
  - Recommendations to be integrated in Version1

- **Version1** by **December 1** available in overleaf (*)

(*) about overleaf more in the coming slides

preTDR – Version0 & Version1

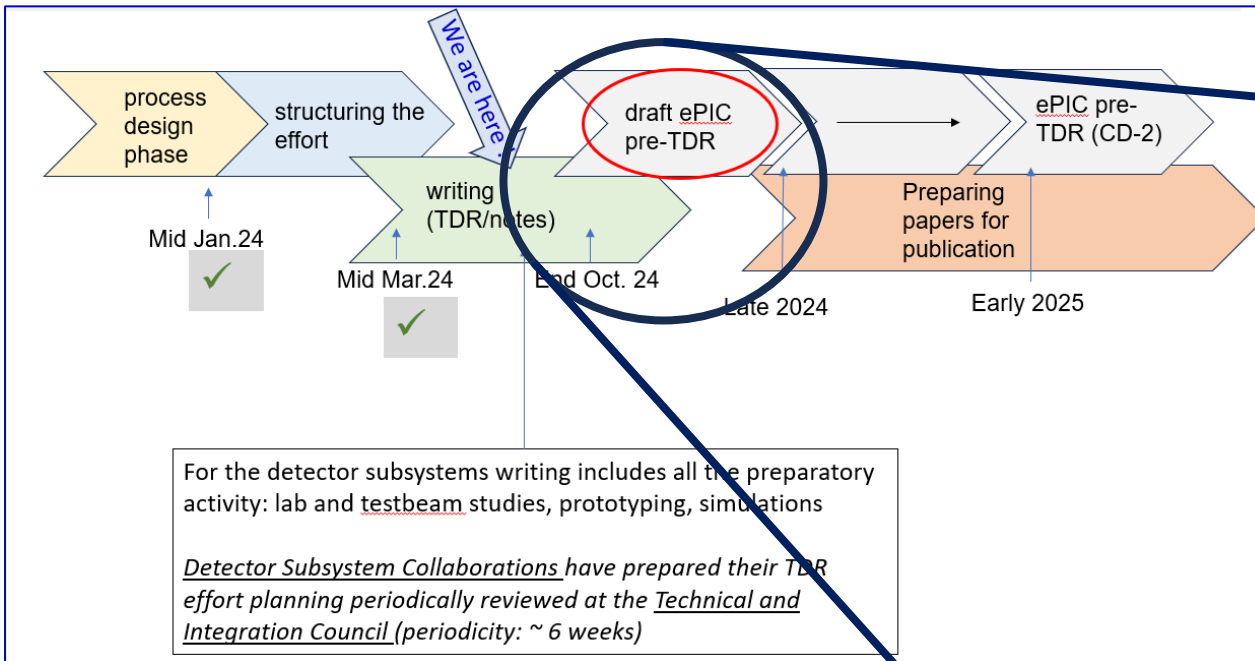Only 2 preTDR draft versions in 2024 to minimize the load in view of the end-of-year "milestone"

- **Version0** by **September 29**
  - All preTDR text is there, even if it can be in a rough version
  - Additional material: planning required, part already in
  - Plots for Version0 can make use of a scattered set of simulation campaigns

- During October 2024, internal review process!
  - Recommendations to be integrated in Version1

- **Version1** by December 1
  - More refined text
  - Recommendations form the internal review have to be integrated
  - The additional material expected, it can still be in a rough text version
  - Plots for Version1 make use of the **October simulation campaign**
  - Version1 is the material that will be used for the Jan. 2025 DOE OPA review

Selected (pre)TDR frame: overleaf

- **Acknowledging the overleaf project creation by Douglas Higinbotham**
  - Also supported by his collaborator Anil Panta

- **DSC contributions are included in the chapter/section 8.3**
- **Preparing the frame in overleaf for the DSC material**
  - Authorized for <u>text editing</u>
    - DSLs, DSCTs
    - CC WG conveners
  - Technical aspects
    - the project is structured so that, while progressing in your editing, you do not need to recompile the whole of it at each step: <u>recompiling a subsection is enough</u>;
    - <u>Directories</u> organize to facilitate the parallel work of the various CC WGs/ DSC

Barrel Ecal , figures here

Barrel Ecal , tex here

By CC WG conviners (introduction)
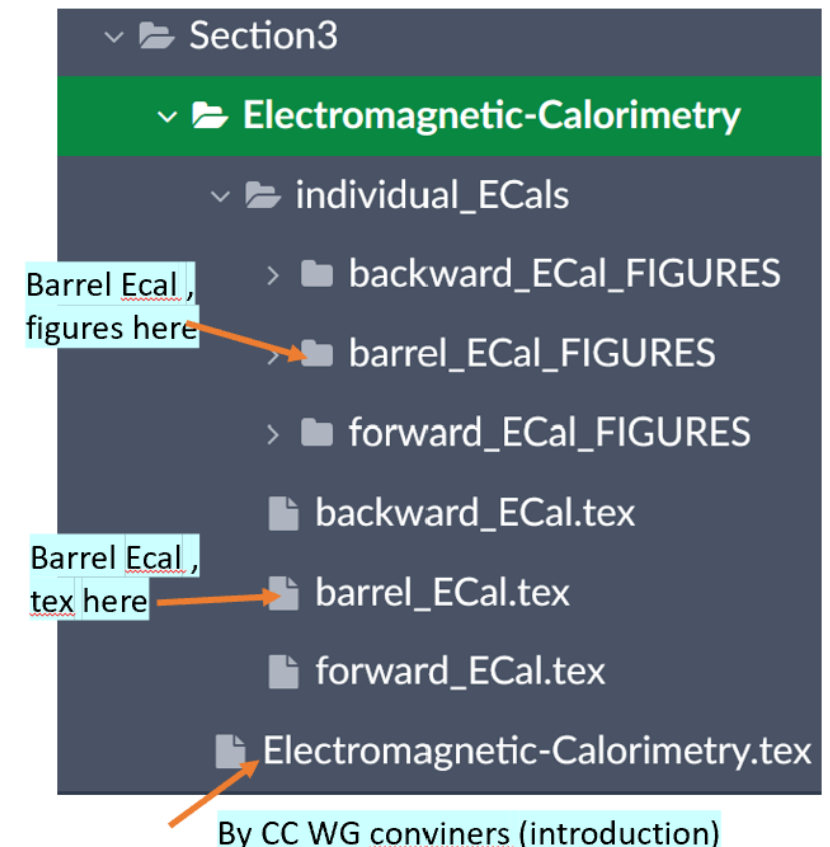
- **The structure discussed at 2 TIC meetings and finally approved is in: please, preserve it!**

8.3.5.2 The barrel electromagnetic calorimeter

Requirements

Requirements from physics: Add text here.

Requirements from Radiation Hardness: Add text here.

Requirements from Data Rates: Add text here.

Justification

Device concept and technological choice: Add text here.

Subsystem description:

   General device description: Add text here.
   Sensors: Add text here.
   FEE: Add text here.
   Other components: Add text here.

Implementation

Services: Add text here.

Subsystem mechanics and integration: Add text here.

Calibration, alignment and monitoring: Add text here.

Status and remaining design effort:

   R&D effort: Add text here.
   E&D status and outlook: Add text here.
   Other activity needed for the design completion: Add text here.
   Status of maturity of the subsystem: Add text here.

Environmental, Safety and Health (ES&H) aspects and Quality Assessment ning: Add text here.

Construction and assembly planning: Add text here.

Collaborators and their role, resources and workforce: Add text here.

Risks and mitigation strategy: Add text here.

Additional Material   Add text here.

- The length each DSC subsection is expected to be within **10-15 page** → **Executive summary format**

BUT

- **Additional Material, as wide as needed;** all the extra material exceeding the compact format of the pre-TDR document. At a later time, this extra material, which can be abundant, will be moved in appropriate **Appendices**.

Facilitating inter-DSC communication in TIC meetings

Inter-DSC communication

- The <u>goal</u>: support quasi real-time communication within ePIC and, in particular, within DSCs;

- The <u>tool</u>:   make use of "communications" at the beginning of each TIC meeting
  - No longer only communications from TC-office to DSCs
  - Add communications from DSCs to the whole TIC

- For DSC news to be communicated, 2 <u>options</u>:
  - Verbal communication
  - 1-2 slides (a dedicated slot will be present in the TIC mtg agendas starting on Aug 19th)

- <u>When/what </u>for this SHORT form communications?
  - Examples:
    - a new simulation/reconstruction element for the DSC became operative/work has been started;
    - new samples of subsystem components ordered/received;
    - a modification of the detector envelop or layout resulting from integration considerations;
    - a testbeam is starting/ending;
    - …

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  - ... samples of subsystem components ordered/received;
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  - ...

Together, let's improve information distribution within ePIC