



# ePIC Collaboration Bi-Weekly Meeting

ePIC Steering Committee

Silvia Dalla Torre, Or Hen, Tanja Horn, John Lajoie, and Bernd Surrow



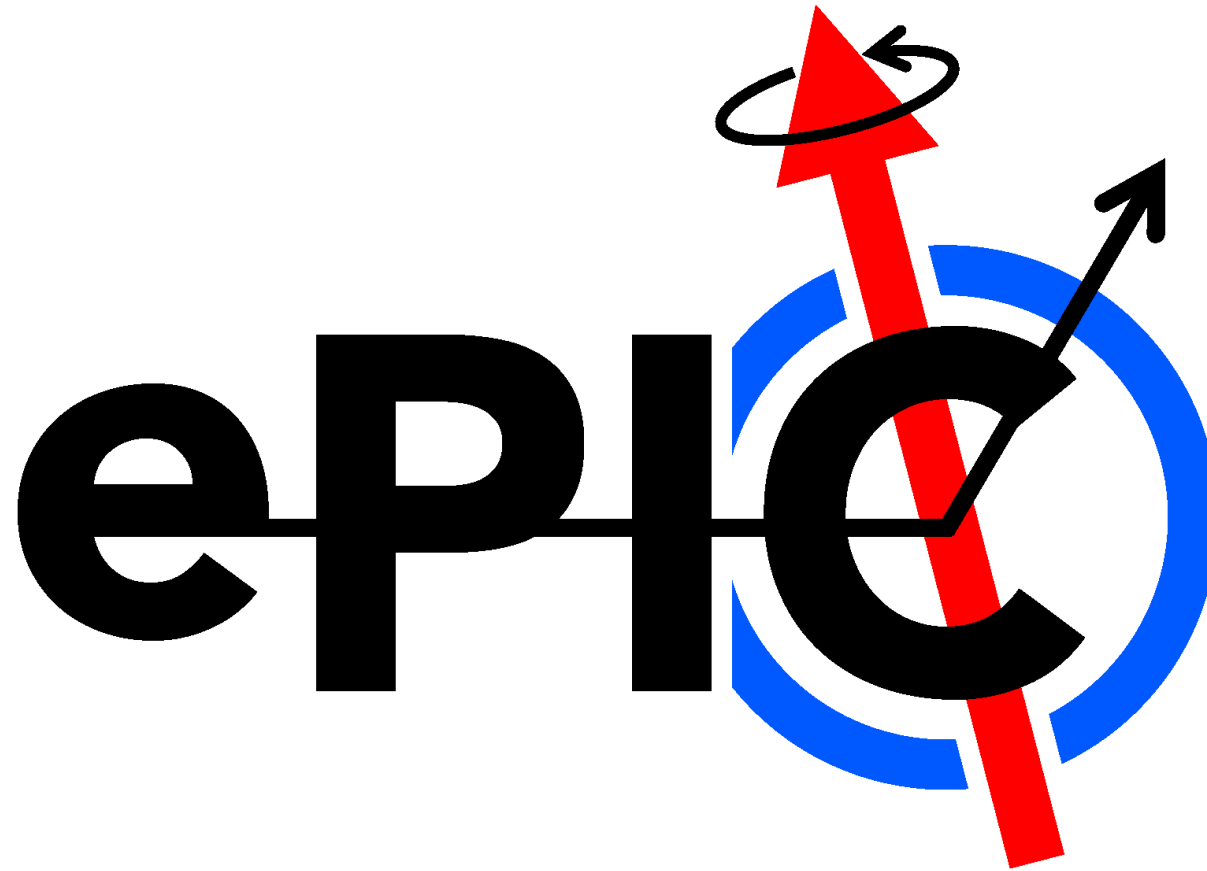
# 2<sup>nd</sup> ePIC Collaboration Meeting!

(~100 in-person + ~100 remote)





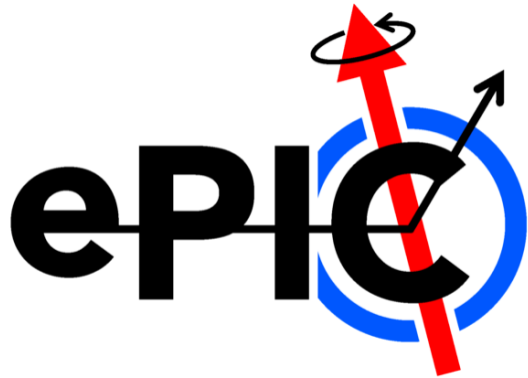
We selected a logo!



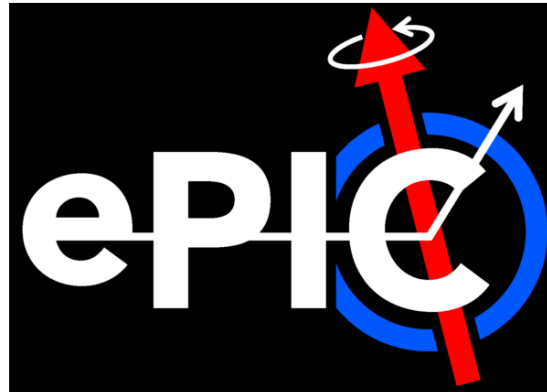
# Available for download from the ePIC Wiki

<https://wiki.bnl.gov/EPIC/index.php?title=Collaboration>

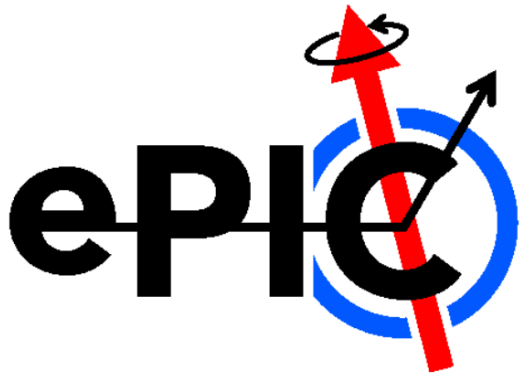
Large version, white background (PNG):



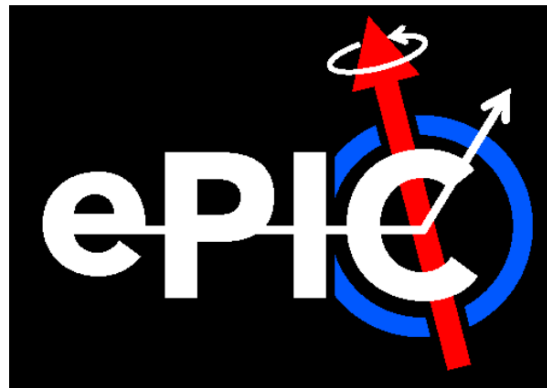
Large Version, dark background (PNG):



Small version, white background (PNG):



Small version, dark background (PNG):



## ePIC Logo Collection

The final ePIC logo, as selected by the Collaboration

File downloads:

- [File:ePIC-logo\\_white\\_transparent.png](#)
- [File:ePIC-logo\\_white\\_transparent\\_small.png](#)
- [File:ePIC-logo\\_black.png](#)
- [File:ePIC-logo\\_black.svg](#)
- [File:ePIC-logo\\_black\\_small.png](#)
- [File:ePIC-logo\\_black\\_transparent.png](#)
- [File:ePIC-logo\\_black\\_transparent\\_small.png](#)
- [File:ePIC-logo\\_white.png](#)
- [File:ePIC-logo\\_white.svg](#)
- [File:ePIC-logo\\_white\\_small.png](#)

We also have stickers! 😊



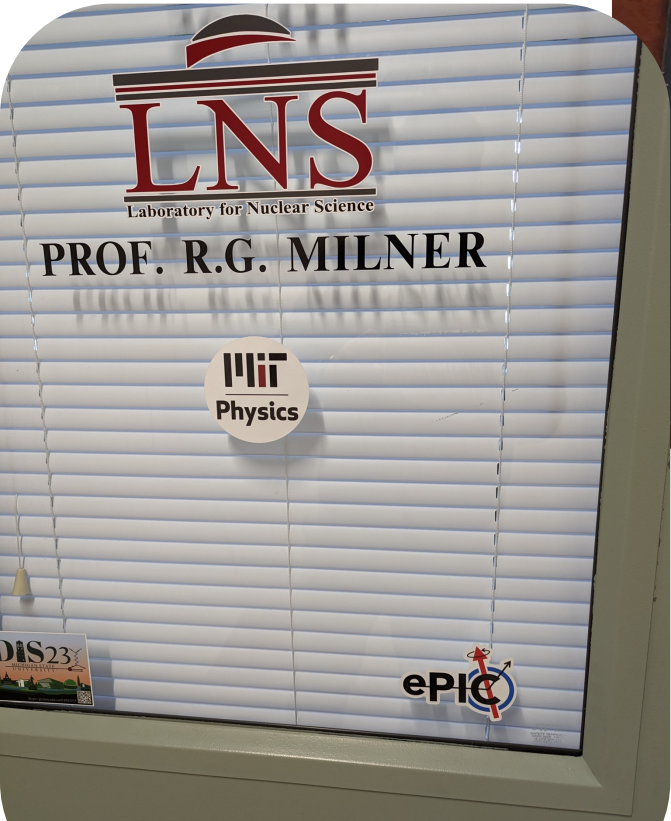
\*Rosi's laptop



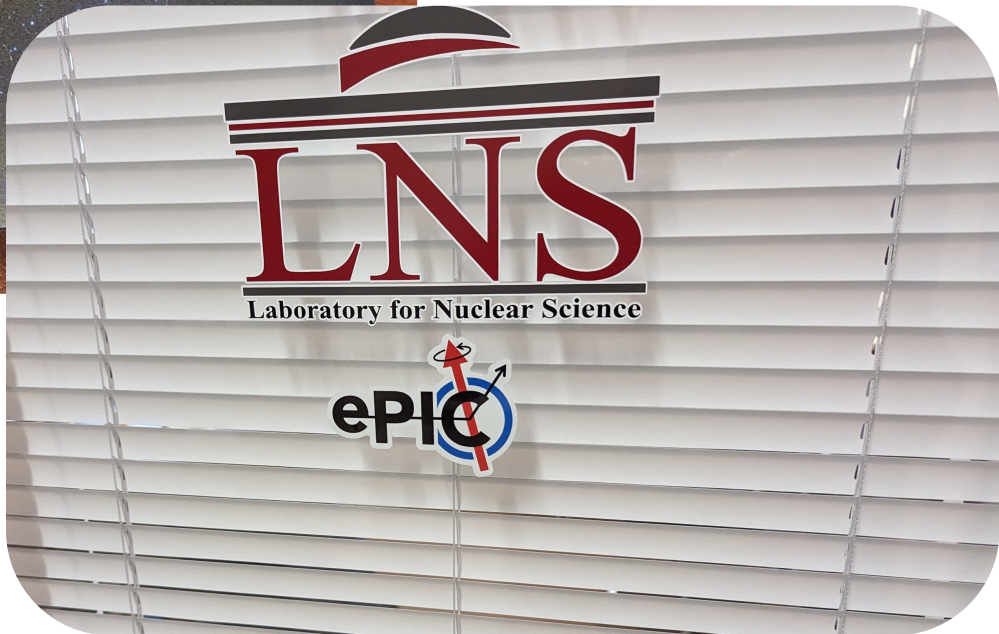
We also have stickers! 😊



\*Or's office



\*Richard's office



\*Students office

# We Met With Our Election Candidates

## SP:

- Ken B. / Barbra J.
- John L / Silvia D.T.

## CC Chair:

- Doug H.
- Ernst S.
- Peter S.
- Bernd S.
- Thomas U.
- Zhenyu Y.

## CC Vice-Chair:

- Janusz C.
- Doug H.
- Bernd S.
- Rosi R.

Two weeks voting starting Jan. 30<sup>th</sup>;

Results to be announced on Feb. 14<sup>th</sup> (valentines day)

# Election Committee Established By CC Chairs



John Arrington, chair



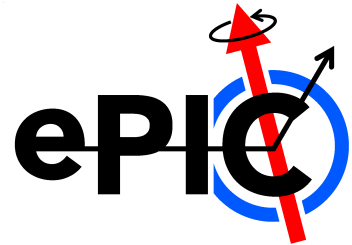
Domenico Elia



Helen Caines



Or Hen



thanks you (us) all for this service to the collaboration!



## ...we also did real work :)

- Welcome + Intro
- Computing
- GD/I
- CC Meeting
- Tracking
- Calorimetry
- Cerenkov
- Far-Forward
- Far-Backward
- TOF PID
- DAQ & Electronics
- Inclusive
- Semi-Inclusive
- Exclusive, Diffraction, Tagging
- Jets & Heavy Flavor
- BSM & Precision EW

Each group managed a 1hr long session that overview their work and discussed next steps

# My Own Thoughts On Our Meeting

- Great to see friends and colleagues in person 😊
- We came a long way in < 1 year → Heartwarming to see all the progress being made and people's dedication to ePIC!
- Identified areas that are progressing well; Identified areas that are struggling
- Its clear we have a lot more work to do and need to increase participation to do it
- Some requests for more discussion time at next meeting
- Tell us what you think!



# We Are More Active on Conferences

<https://wiki.bnl.gov/EPIC/index.php?title=Conferences>

Working to increase our engagement with the broader community.

Two current examples:

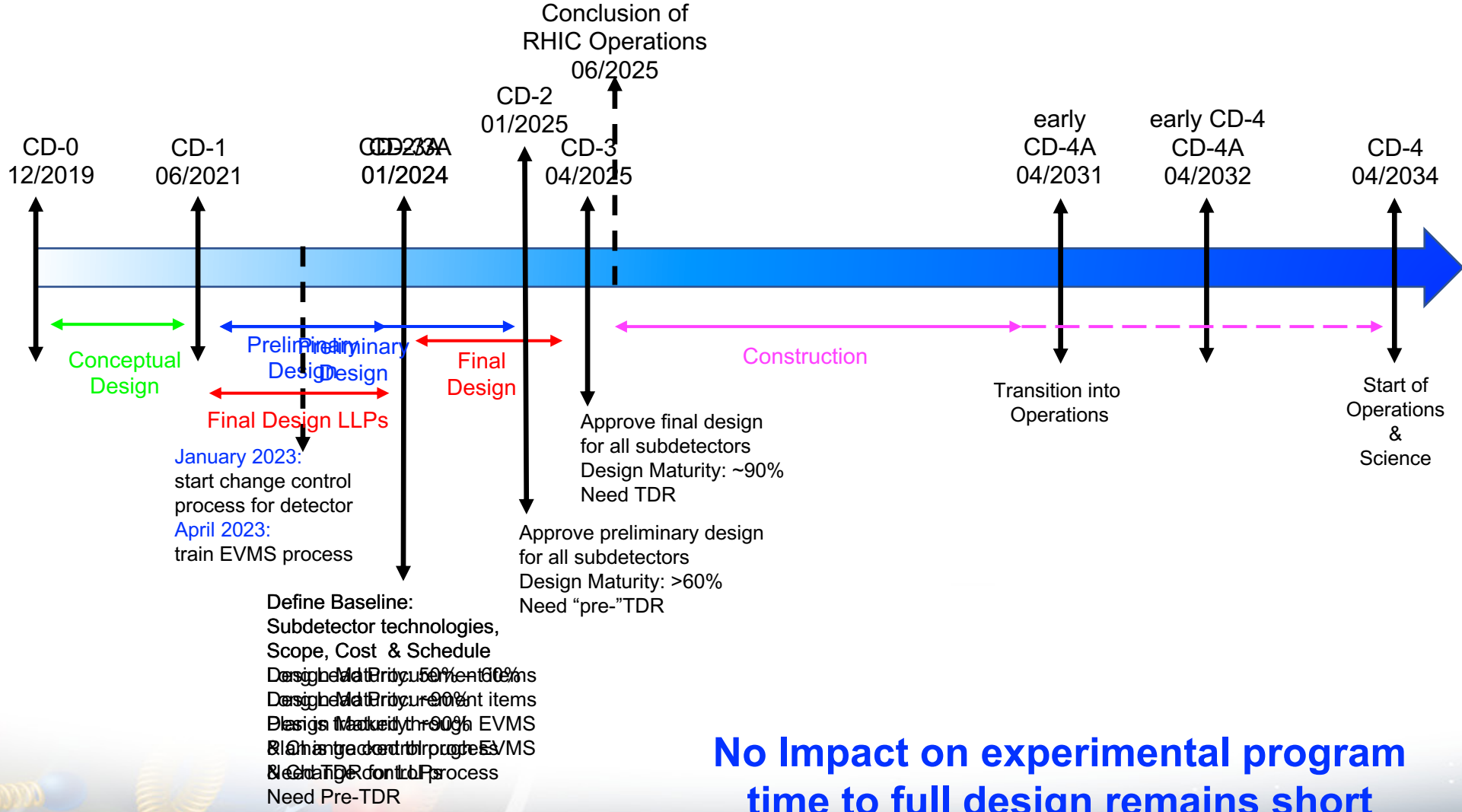
- DIS2023: Two invited talks in ‘future Experiments’ session (speakers tbc) plus several contributed talks
- Hard Probes: ePIC Plenary talk will be given by Friederike Bock (thanks Fredi!)

We have a lot more to do...!

All collaborators are encouraged to contribute to the best of their ability.

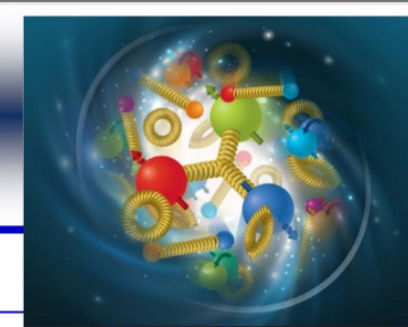


# Schedule ~~with~~ ~~update~~ ~~to~~ ~~include~~ ~~the~~ ~~new~~ ~~scope~~



**No Impact on experimental program  
time to full design remains short**

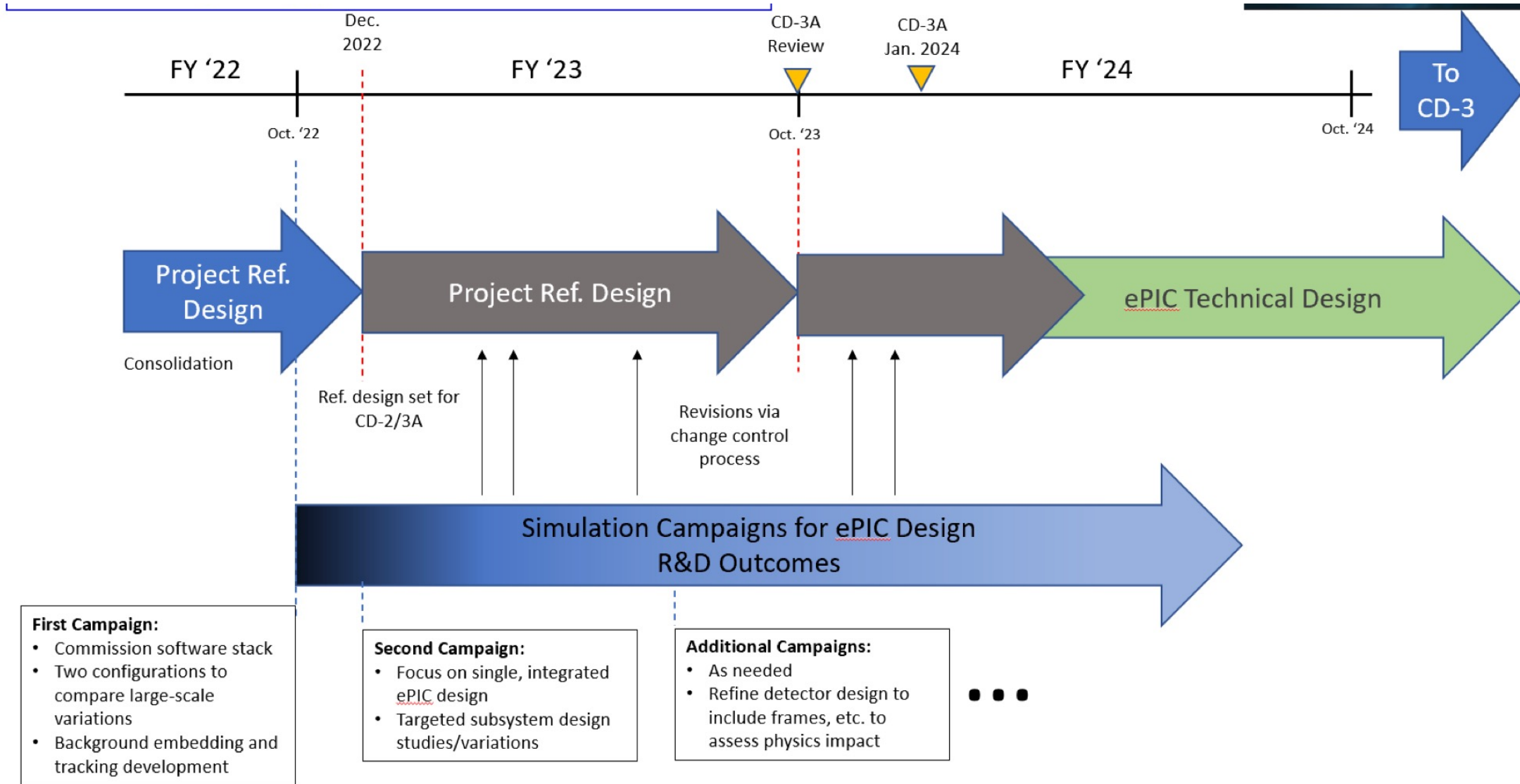
# NEW REFERENCE TIMELINES

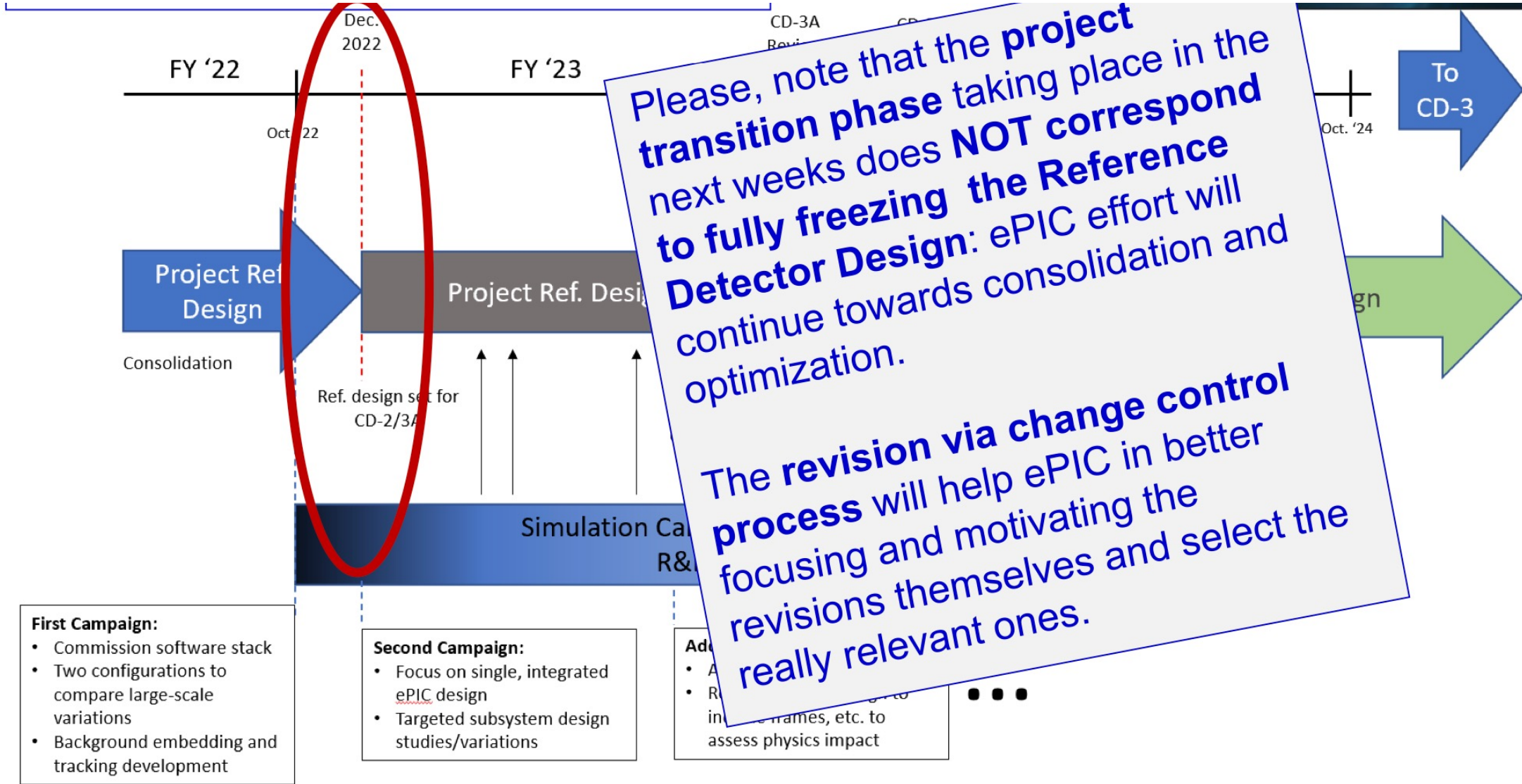


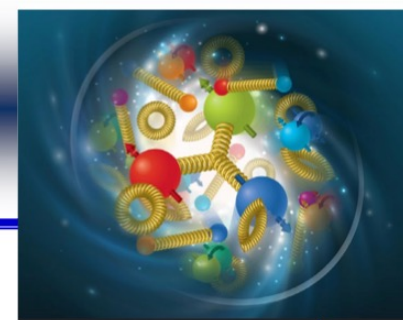
**A revised schedule that allows us to better use the available time in the next 2 years (see PM's report)**

- **CD-3a, Long Lead Procurement Approval = No Change.**
  - DOE review in October 2023 and DOE approval of CD-3a in January 2024
- **CD-2, Performance Baseline Approval = Revised**
  - DOE review in October 2024 and CD-2 approval in January 2025
- **CD-3, Start of Construction Approval = No Change**
  - DOE review TBD and CD-3 approval in April 2025 prior to RHIC Shutdown in June 2025









## ePIC activity towards Detector Consolidation & Optimization:

- **Already done**
  - Define the technologies of the **calorimetry in the forward endcap**
  - Assume as reference a **backward RICH with LAPPD sensors**, which can provide also ToF information
  - **Waive the backward AC-LGAD layer in the backward endcap**
- **Next steps**
  - **Barrel EMCal Review**
    - Charge to the proponents discussed with the community on Dec. 5<sup>th</sup>, 2022
    - GD/I assisted by external experts
    - 2-day review with remote attendance: Mar. 13<sup>th</sup>-14<sup>th</sup>, 2023
  - **Backwards RICH review**
    - Charge to the proponents discussed with the community on Dec. 12<sup>th</sup>, 2022
    - GD/I assisted by external experts
    - 2-day review with remote attendance: Mar. 20<sup>th</sup>- 21<sup>th</sup>, 2023





# Today's Meeting



9:30 PM

**SC Updates and Plans (15+5)**

**Speaker:** Or Hen (MIT)

9:50 PM

**ePIC Talk at EIC OPA Review (15+5)**

**Speaker:** Bernd Surrer (Temple University)

10:10 PM

**Polarimetry overview and review summary (15+5)**

**Speakers:** Dave Gaskell (Jefferson Lab), Oleg Eyser (BNL)

10:30 PM

**Simulations Update (15+10)**

**Speaker:** Markus Diefenthaler (Jefferson Lab)