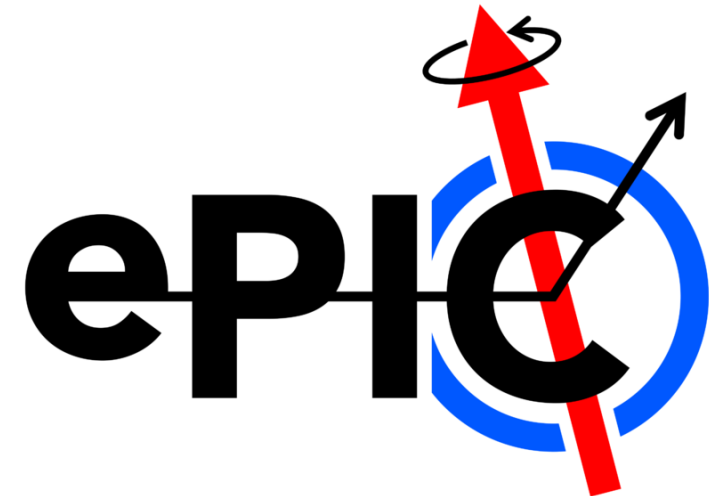


# Analysis Coordinators' Communications

Analysis Coordination Meeting  
Nov 10<sup>th</sup>, 2023

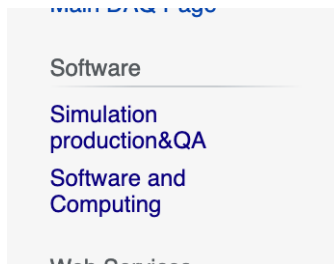
Rosi Reed – Lehigh University

Salvatore Fazio – Unical



# Reproducing the ECCE/ATHENA plots

- Critical for Physics talks at conferences and Workshop and as input to other documents
  - Need to redo plots with ePIC simulation, field and labels
  - Possibly start just rerunning the same scripts used for the ECCE/ATHENA, just using ePIC-based data
    - MC Id if needed
    - Smearing if needed
  - Redo theory impact studies, this time ePIC-labelled
  - Things can be improved as Software progresses. We need full simulation for the TDR
- We created a space under your PWG wiki page. Please upload plots there. Together with a description of each plot and release date. See an example below.



Inclusive Physics Mattermost channel [↗](#)

## Physics and performance plots [\[ edit \]](#) [\[ edit source \]](#)

*Here goes a list of latest physics and performance plots approved to be released by the PWG Conveners. Please add a short description of each plot's content.*

# TDR is coming – get ready!

- TDR needs to showcase detector performance through physics simulated measurements
  - **It will include a chapter on physics studies** (details discussed at the Collab. Meeting)
    - An edited version of the TDR (with sensitive information cut off) might be published on a peer reviewed journal (same as for the W.P. and the Y.R.)
    - It might generate a longer paper just with physics details, also suitable for publication

## PATHWAY:

1. **by Collaboration Meeting:** we start with ECCE/ATHENA plots re-created (see previous slide)
2. **Soon after:** we evolve plots including more and more realistic simulation
  - If the software still has gaps: (e.g.: missing ID, acceptance, vertexing, missing tools)
    - we **communicate with the S&C group, updating them on our progress/needs**
    - **Monthly Physics+S&C joint meetings** will be held regularly (first: **Wednesday 29 Nov.**)
3. **Deadline to deliver:** August 2024

**Please give full priority to this agenda**