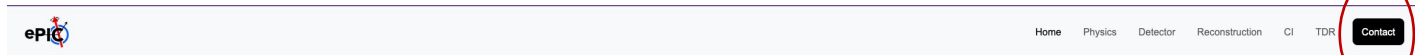


□ Benchmark/performance database: [website](#)

- Compare performance, benchmarks, and QA across different campaigns (developed by Torri Jeske)
- Include new plots via plot submission form
- We should add out plots as we develop our macros

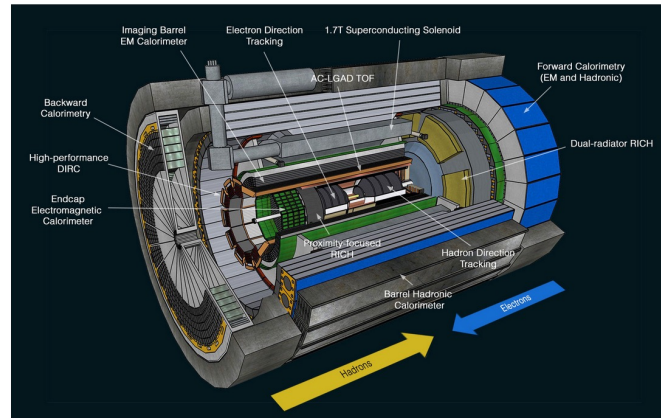


About

Goal: Central location to view plots produced from ePIC simulations to assist in visualizing and understanding the integrity of the data and identify missing or unexpected results. These plots should be accessible to everyone in the collaboration.

Designs and prototypes are developed in Figma and deployed using Javascript, HTML, and CSS.

References to the images on this page are stored in a MySQL database. The database tracks the campaign and relevant meta data for each image automatically. Data is fetched from the database using PHP.



Contact Add a new plot

Add a new plot type

Macros/Scripts should generate .png files for images.

Your Name

Working Group

Name of Plot

Brief description of the plot

Special instructions for running?

Browse... No files selected.

❑ Associated MPGD requirements

- Aid in achieving 0.5 mrad angular resolution into PID (e.g. DIRC)
- Providing additional hit points for track reconstruction, particularly $|\eta| > 2$
- Provide fast timing resolution ($\sim 10\text{ns}$) to separate events from adjacent bunches

❑ Detector performance plots

1. Angular resolution vs. momentum vs eta
2. Number of hits vs. eta with/wo MPGDs
3. MPGD hit occupancy
4. MPGD radiation dose
5. Detector acceptance (vs. eta, momentum)
6. Detector material: 2D (theta, phi), 1D (eta)
7. Residuals and hit distributions
8. MPGD performance within embedded backgrounds