

Recent EICRecon updates

Barak Schmookler

Summary of updates

- Acts version in eic container has been updated to v36.3.
- Optimization of RecHits to Measurement2D hit conversion (<https://github.com/eic/ElCrecon/pull/1870>).
- Tracks are now propagated to calorimeters and PID detectors from outermost tracking surface (<https://github.com/eic/ElCrecon/pull/1869>). DIRC residuals and projection covariance errors are now consistent.
- Neutral particles are now properly ignored in truth-seeded tracking (<https://github.com/eic/ElCrecon/pull/1878>). This does not affect the final truth-seeded tracking results, where we require 3 good measurement hits per track.
- Ongoing work: splitting B0 and central tracking (<https://github.com/eic/ElCrecon/pull/1744>). Track collections will be merged for vertexing.