

Future Colliders - C3 Studies

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2023 Review - C3 Beam Background Studies

Spring:

- Found occupancy for hadron and pair-production backgrounds, made presentation

Summer:

- LCWS Presentation
- FNAL Users Meeting Poster Presentation

Fall:

- Set out with goal of threading the GPig -> Circe -> Whizard workflow for C3
- Successful using old version of Whizard
 - Found a bug in CIRCE during this process which led to some changes in the newest version
- Now need to map the notes from T. Barklow on how to generate <2 GeV hadrons and associated integrations into modern version of Whizard - stuck!

2024 Plans

Spring Semester:

- Get unstuck! Or find workaround/things to do in the meantime
- Once unstuck - finally get full hadronic background suite produced
- APS April Meeting (Abstract Submitted! We're on!)
 - Submitted abstract from last year's LCWS oral presentation - will create new slides and update

Summer/Fall Semester:

- Grad school applications
- Other workshops
- Begin final undergrad thesis (and find a place to stop)?