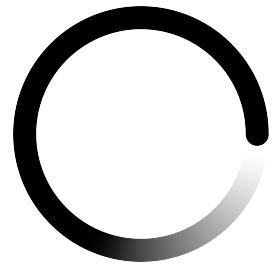


FCC Full Sim Working Meeting

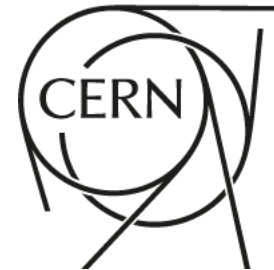
News

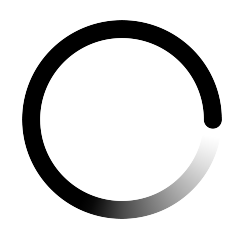
Brieuc Francois (CERN)

July 10th, 2024

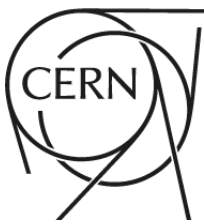


**FUTURE
CIRCULAR
COLLIDER**

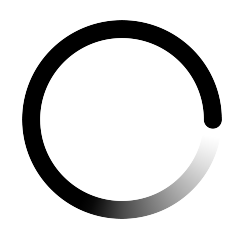




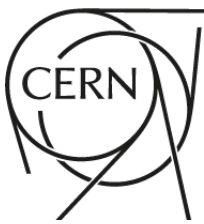
ECFA Workshop



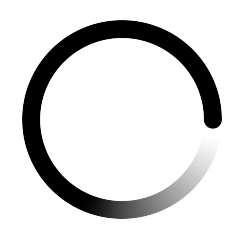
- 3rd ECFA Workshop on e^+e^- Higgs, Top & Electroweak Factories
 - Last ECFA Workshop in the series before the start of the European Strategy process
 - **Paris, 9-11 October** (3 full days)
 - Plenaries and 4 parallel sessions
 - Abstract can be submitted [here](#), deadline July 15th for talks, September 30th for posters
 - **Please submit an abstract!**
 - Don't hesitate to ask for help/review (send me a mail)
 - Student and postdocs with a poster benefits from reduced fees
 - WG1: Physics Potential, WG2: Physics Analysis Methods, WG3: Detector R&D
 - Submit full sim related contributions in WG2 and WG3
 - Organizers will decide



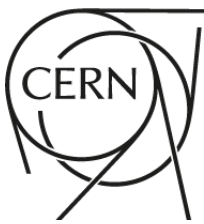
Feasibility Study Report



- Thanks to all who already contributed!
 - Beampipe
 - ARC detector
 - Capillary Dual Readout calorimeter
 - Noble Liquid ECAL barrel geometry, digitization and reconstruction
 - TileCal HCAL
 - Cross-talk emulation
 - Calorimeter Jet Clustering
- For those who have not yet sent their contribution, **it is not too late**
 - Timeline: submission for internal PED review in September, March 2025 final submission
 - But don't wait too long: time needed for review + preparation of a summary in the main FSR
- **For geometries, describe the C++ builder, not the detector itself (good example)**
 - Of course, spend a few lines to introduce the (family) of detector we are dealing with, but the **main content should be about**
 - Volume hierarchy, exploited symmetries, approximations, what/how dimensions can be configured, interplay between parameters, protections, CellID definition, outlook, ...
- To submit your contribution: open a pull request [here](#)



Today's Agenda



FCC Full Sim Working Meeting

Wednesday 10 Jul 2024, 16:00 → 17:30 Europe/Zurich
CERN
Brieuc Francois (CERN)

Videoconference FCC Detector Full Sim Working Meeting [Join](#)

- 16:00** → 16:10 **News** 🕒 10m
Speaker: Brieuc Francois (CERN)
- 16:10** → 16:30 **Key4hep native FastJet clustering algorithms** 🕒 20m
Speaker: Jennifer Roloff (Brown University (US))
 jetClustering_fcc.pdf
- 16:30** → 16:50 **Key4hep native background overlay tool** 🕒 20m
Speaker: Juan Miguel Carceller (CERN)
- 16:50** → 17:10 **ML based PFlow for CLD** 🕒 20m
Speaker: Gregor Krzmann (ETH Zürich)
- 17:10** → 17:30 **ALLEGRO ECAL endcap update** 🕒 20m
Speaker: Erich Ward Varnes (University of Arizona (US))
 EC_FullSim_July_20...