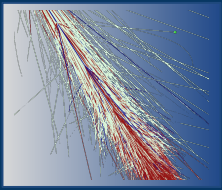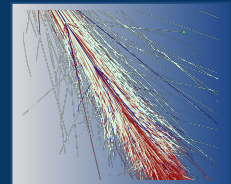# CORSIKA 8

Ralf Ulrich, 13.1.2022

Overview

- Welcome

- New contributors / collaborators

- Recent work

- Planning and next steps

- Organizational changes

Next meetings

All meeting agendas collected at:
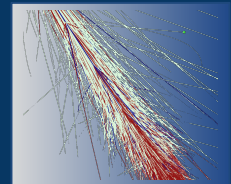https://indico.scc.kit.edu/category/28/

- Meeting time: Thursday 17:00 ECT

- Next general phone call:
  - February 10th 17:00 ECT (4 weeks)

- Next topical phone calls (to be announced via corsika-devel list)

Transition to
CORSIKA 8
steering committee

Main project resources

- corsika-devel mailing list:
  https://www.lists.kit.edu/sympa/info/corsika-devel

  – Announcement of meetings, important news

- corsika.slack.com

  – Discussions

- Meeting schedules   https://indico.scc.kit.edu/category/28/

- Software repository: https://gitlab.iap.kit.edu/AirShowerPhysics

  – Code, Wiki, Bus, Issues

Recent work
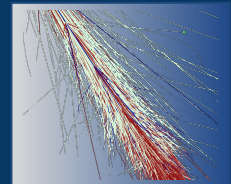
New get time method at any point of the track
!401 · created 2 months ago by Nikos Karastathis `Development` `Ready for Code Review` `Tracking`

MERGED ✓ 👤✓ Approved 💬 9
updated 3 weeks ago

Adding a particle resolution.
!345 · created 8 months ago by Maximilian Sackel 🕐 First full release: CORSIKA 8.0.0 `Comments Requested` `Development` `Discussion` `EM`
`Ready for Code Review`

MERGED ✓ 🟣 👤✓ Approved 💬 17
updated 3 weeks ago

Documentation update Dec 2021
!417 · created 3 weeks ago by Ralf Ulrich 🕐 First full release: CORSIKA 8.0.0 `Documentation`

MERGED ✓ 🧑 👤✓ Approved 💬 0
updated 3 weeks ago

Additional outputs ported to new architecture
!371 · created 7 months ago by Remy Prechelt 🕐 First full release: CORSIKA 8.0.0 `Critical` `Development` `Output` `Ready for Code Review`

MERGED ✓ 🧑 👤✓ Approved 💬 13
updated 3 weeks ago

Update CONTRIBUTING.md
!415 · created 3 weeks ago by Ralf Ulrich

MERGED ✓ 👤✓ Approved 💬 0
updated 3 weeks ago

Delete CHANGELOG
!414 · created 3 weeks ago by Ralf Ulrich

MERGED ✓ 👤✓ Approved 💬 1
updated 3 weeks ago

Delete .gitlab-ci.yml-cache
!416 · created 3 weeks ago by Ralf Ulrich

MERGED ✓ 👤✓ Approved 💬 1
updated 3 weeks ago

Add Box volume class
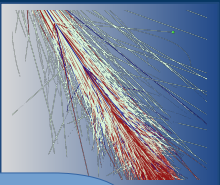!408 · created 1 month ago by Fan Hu 🕐 Full physics demonstratror `Feature request` `Geometry` `Ready for Code Review`

MERGED ✓ 🟢 👤✓ Approved 💬 18
updated 3 weeks ago

Ongoing work

adding Geomagnetic Models
!404 · created 2 months ago by André Schmidt · ⏱ First full release: CORSIKA 8.0.0 `Media` `Ready for Code Review` `code review in progress`

Basically finished

[WIP] Radio interface
!329 · created 10 months ago by Nikos Karastathis · ⏱ Radio Emission `Discussion` `Feature request`
updated 1 week ago

No set up files new
!418 · created 3 weeks ago by Nikos Karastathis `Bug` `Comments Requested` `Development` `Ready for Code Review`
updated 1 week ago

Draft: Resolve "corsika.cpp breaks at runtime"
!419 · created 3 weeks ago by Ralf Ulrich `Bug` `Easy First Issue`
updated 3 weeks ago

Resolve "ExponentialRefractiveIndex assumes a flat environment"
!402 · created 2 months ago by Nikos Karastathis `Bug` `Radio` `Ready for Code Review`
updated 3 weeks ago

Forward our requirement for C++17 onto Conan (needed for Boost).
!400 · created 2 months ago by Remy Prechelt `Build System` `Ready for Code Review` `macOS`
updated 3 weeks ago

Important

Draft: No Setup files dependency in tests
!405 · created 2 months ago by Nikos Karastathis `Bug` `Comments Requested` `Development`
updated 3 weeks ago

WIP: Proposal v7.1.0
!396 · created 2 months ago by Jean-Marco Alameddine `EM`
updated 1 month ago

Resolve "Add number of calls in Process interface" 9 of 9 tasks completed
!276 · created 1 year ago by Dominik Baack · ⏱ Project protoype structure 2 (refactorring) `Development` `Easy First Issue`
✓ Approved 17
updated 2 months ago

Resolve "Develop Cherenkov emission module" 8 of 8 tasks completed
!333 · created 9 months ago by Matthieu Carrere · ⏱ Cherenkov emission `Comments Requested` `Development` `Discussion` `Ready for Code Review`
updated 2 months ago
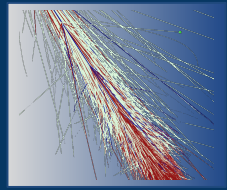
Improve the CORSIKA 8 code formatting !

- Use the "**.clang-format**" file to modify formatting of code.

- The best suggestion wins a **Milka**

  Chocolate "Nikolaus"
  (I'll send it anywhere…)

- We present and vote in our next general meeting