acts Introduction & News

A. Salzburger (CERN)

PRs | 25/05/21 - 01/06/21

Simplification in extension list

refactor: Simplified implementation of StepperExtensionList ✕
#817 by benjaminhuth was merged 5 days ago • Approved ⬦ v8.3.0

Update to new metric part

chore: Update readme to add metric tracker badge ✕
#816 by paulgessinger was merged 6 days ago ⬦ v8.3.0

Adds layer/volume file for csv output (needed for detray)

feat: csv volume layer writer ✕
#815 by asalzburger was merged 5 days ago • Approved ⬦ v8.3.0

feat: update performance plotting scripts ●
#814 by asalzburger was merged 4 days ago ⬦ next

Enhanced plotting Scripts for bound parameters (ROOT)

fix: Ostream operator of BoundingBox ✕
#812 by benjaminhuth was merged 5 days ago • Approved ⬦ v8.3.0

feat: Global extraction function in BinnedSPGroup ✕
#810 by CarloVarni was merged 5 hours ago • Approved ⬦ next

BoundingBox fix for output

refactor: Remove usage of using namespace in headers ✓
#807 by paulgessinger was merged 7 days ago • Approved ⬦ v8.3.0

Utility for bin extraction

Cleanout: do not use "using namespace" in headers

Release v8.3.0 | 27/05/21

v8.3.0

Repository: acts-project/acts · Tag: v8.3.0 · Commit: 601c0a1 · Released by: paulgessinger

Feature

- CSV volume layer writer (#815) (e20c66e)
- Implement clusterization/hit merging in DigitizationAlgorithm (#769) (fbb68b8)
- extend tracking performance scripts (#795) (7fc746f)
- Introduce vertex performance writer (#776) (3a8bfa1)
- Adding more track fitting options (#793) (52f85da)

Refactor

- Simplified implementation of StepperExtensionList (#817) (d00ea63)
- Remove usage of using namespace in headers (#807) (053c53b)
- Change all calls to adopt_sequence to insert (#799) (7b9f78c)
- Use type trait utils for InteractionList (#791) (066b5e5)

Fix

- Ostream operator of BoundingBox (#812) (cf89897)
- Fitting with ouliers (#804) (8f0f37a)
- Reco selection criteria (#767) (df7b197)

Chore

- Update readme to add metric tracker badge (#816) (8049290)

Meetings last week | 25/05/21 - 01/06/21

Full agenda with quite some material,
- follow-up PR on KF covariance scaling

Upcoming meetings | 01/06/21 - 08/06/21

Acts Parallelization Meeting

📅 Friday 4 Jun 2021, 16:00 → 17:15 Europe/Zurich

Videoconference Rooms	zoom Acts Parallelization Meeting

16:00 → 16:10 **Intro**

Speaker: Paul Gessinger (CERN)

16:10 → 16:20 **Concurrent algorithms in traccc**

Speaker: Georgiana Mania (Deutsches Elektronen-S...

16:20 → 16:40 **Roundtable**

ACTS-ITk meeting

📅 Friday 4 Jun 2021, 17:00 → 18:00 Europe/Zurich

👤 Andreas Salzburger (CERN), Noemi Calace (CERN), Tomohiro Yamazaki (Lawrence Berkeley National Lab. (US))

Description	Please contact noemi.calace@cern.ch and/or tomohiro.yamazaki@cern.ch if you want to add material to the agenda.
Videoconference Rooms	zoom ACTS-ITk meeting room

17:00 → 17:20 **News and Status** ¶

Speakers: Andreas Salzburger (CERN), Noemi Calace (CERN), Tomohiro Yamazaki (Lawrence Berkeley National Lab. (US))

17:20 → 17:40 **Plans for track finding and CKF**

Speakers: Nicholas Styles (Deutsches Elektronen-Synchrotron (DE)), Xiaocong Ai (DESY)