Acts PR & Issue Recap

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Overview

1. acts-project/acts
   Merged PRs

2. acts-project/acts
   Open PRs (non WIP)

3. acts-project/acts
   Issues opened since 2022-03-29

4. acts-project/acts
   No new stale issues or PRs since 2022-03-29

5. acts-project/acts
   All stale Issues and PRs

- **ci: Python fixes** (PR#1212)
  by @paulgessinger, merged on 2022-03-29
- **feat: make interaction point cut optional in seedFinder** (PR#1207)
  by @LuisFelipeCoelho, merged on 2022-03-29
- **feat: Adding inner and outer tube covers for disc approach descriptor** (PR#1188)
  by @noemina, merged on 2022-03-29
- **feat: Gaussian Sum Filter** (PR#1134)
  by @benjaminhuth, merged on 2022-03-30
- **feat: cut to the maximum value of delta z between SPs in seedFinder** (PR#1209)
  by @LuisFelipeCoelho, merged on 2022-03-30

- **feat: Custom z bin search order** (PR#1169)
  by @LuisFelipeCoelho, merged on 2022-03-30
- **refactor: transformCoordinates methods without InternalSpacePoint class** (PR#1173)
  by @CarloVarni, merged on 2022-03-30
- **refactor: Use enum class for MaterialUpdateStage** (PR#1205)
  by @paulgessinger, merged on 2022-03-30
- **feat: remaining Python examples can be chained** (PR#1174)
  by @timadye, merged on 2022-04-01
- **feat: change name of numPhiNeighbors in the grid** (PR#1220)
  by @LuisFelipeCoelho, merged on 2022-04-05

- **refactor!: Use enum class for NavigationDirection** (PR#1206)
  by @paulgessinger, updated on 2022-04-05
- **feat: change the behaviour of enableCutsForSortedSP in seedFinder** (PR#1213)
  by @LuisFelipeCoelho, updated on 2022-04-05
- **ci: Clang tidy 2022** (PR#1208)
  by @paulgessinger, updated on 2022-04-01
- **ci: Decouple LCG and Ubuntu builds** (PR#1222)
  by @paulgessinger, updated on 2022-04-01
- **perf: Tile 8×8 covariance matrix multiplication** (PR#1181)
  by @stephenswat, updated on 2022-03-31
- **feat: Implement a new orthogonal range search seed finder** (PR#904)
  by @stephenswat, updated on 2022-03-31

acts-project/acts: Open PRs (non WIP) II

- **refactor: SP builder update** (PR#1218)
  by @toyamaza, updated on 2022-03-31
- **refactor!: Simplify CKF SourceLinkAccessor and make fewer assumptions** (PR#1203)
  by @paulgessinger, updated on 2022-03-31
- **refactor: Move Identification from Plugins to Core** (PR#1217)
  by @toyamaza, updated on 2022-03-30

- **Bug: fatras different particle final states between python and executable** (Issue#1221)
  by @CouthuresJeremy, updated on 2022-04-01
- **feat: Remove Clusterization.hpp/ipp** (Issue#1219)
  by @gagnonlg, updated on 2022-03-31
- **Gain Matrix Update fails sometimes for the ODD** (Issue#1215)
  by @paulgessinger, updated on 2022-03-30

acts-project/acts: All stale Issues / PRs I

- **refactor: Hard coded matrix operations** (PR#1123)
  by @paulgessinger, updated on 2022-03-10
- **Bug: issue on first build after DD4hep update on system with globaly installed acts** (Issue#1139)
  by @gagnonlg, updated on 2022-02-22
- **Feat: Radial bounds in DD4hep plugin** (Issue#822)
  by @whit2333, updated on 2022-02-19
- **feat!: EXPERIMENTAL! world without layers** (PR#1039)
  by @asalzburger, updated on 2022-02-16
- **Add example (+test) for vertex fitting with constraints** (Issue#1100)
  by @paulgessinger, updated on 2022-01-07
- **Vertexing issues observed in python vertexing example** (Issue#1091)
  by @paulgessinger, updated on 2021-12-31

acts-project/acts: All stale Issues / PRs II

- **Some writers performs their writes in the destructor** (Issue#881)
  by @paulgessinger, updated on 2021-12-11

- **2D r-z Magnetic Field Map Improperly Read** (Issue#669)
  by @osbornjd, updated on 2021-12-06

- **Should seed finding tools have a higher-level interface?**
  (Issue#988)
  by @stephenswat, updated on 2021-11-25

- **[bug] Off axis endcap with dd4hep plugin.** (Issue#942)
  by @whit2333, updated on 2021-11-25

- **Improvement: Estimate track parameters from seed at perigee
  surface** (Issue#1036)
  by @XiaocongAi, updated on 2021-11-10

- **Polyhedron surfaces tests are disabled** (Issue#454)
  by @msmk0, updated on 2021-11-04

- **Tracking for TPC/DC without surfaces** (Issue#165)
  by @FabianKlimpel, updated on 2021-11-04
- **BoundingBox tests fail on double precision** (Issue#752)
  by @paulgessinger, updated on 2021-11-04
- **Debug Information in Acts Seeder** (Issue#944)
  by @osbornjd, updated on 2021-10-21
- **fix: avoid double-static cast** (Issue#647)
  by @asalzburger, updated on 2021-10-21