

# Acts PR & Issue Recap

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May 17, 2022

# Overview

- 1 acts-project/acts  
Merged PRs
- 2 acts-project/acts  
Open PRs (non WIP)
- 3 acts-project/acts  
Issues opened since 2022-05-10
- 4 acts-project/acts  
Stale Issues and PRs

- **fix: fix scattering calculation in SeedFinderOrthogonal** (PR#1248)  
by @LuisFelipeCoelho, merged on 2022-05-10
- **ci: Clang tidy 2022** (PR#1208)  
by @paulgessinger, merged on 2022-05-10
- **feat: Decouple DD4hep detector construction from ACTS** (PR#1241)  
by @paulgessinger, merged on 2022-05-10
- **ci: Add full chain test** (PR#1247)  
by @andiwand, merged on 2022-05-11
- **ci: Full chain ODD monitoring follow-up** (PR#1250)  
by @paulgessinger, merged on 2022-05-13
- **feat: Python examples updates for CKF and ITk** (PR#1244)  
by @timadye, merged on 2022-05-13

- **ci: Fix GPU CI on A4000** (PR#1252)  
by @benjaminhuth, merged on 2022-05-16
- **feat: Increase robustness of Python setup script** (PR#1249)  
by @stephenswat, merged on 2022-05-17
- **fix: prevent debug printout crashing Python TGeoDetector.create()** (PR#1254)  
by @timadye, merged on 2022-05-17

## acts-project/acts: Open PRs (non WIP) I

- **docs: fix spelling, grammar, (image-)links; unify recurring expressions** (PR#1259)  
by @AJPflegler, updated on 2022-05-17
- **fix: Kalman Filter with ATLAS Stepper** (PR#1223)  
by @Corentin-Allaire, updated on 2022-05-17
- **fix: ODD with macOS** (PR#1258)  
by @Corentin-Allaire, updated on 2022-05-17
- **feat: add Python bindings for MagneticFieldMap** (PR#1251)  
by @timadye, updated on 2022-05-17
- **feat: Using delegates to retrieve detailed information in space points built from double measurements** (PR#1255)  
by @noemina, updated on 2022-05-17
- **feat: ITk seedFilter integration and seed quality confirmation** (PR#1201)  
by @LuisFelipeCoelho, updated on 2022-05-17

- **refactor: SP builder update** (PR#1218)  
by @toyamaza, updated on 2022-05-17
- **perf: Tile  $8 \times 8$  covariance matrix multiplication** (PR#1181)  
by @stephenswat, updated on 2022-05-17

- **ObjPropagationStepsWriter doesn't work with the python binding on MacOS** (Issue#1253)  
by @Corentin-Allaire, updated on 2022-05-13

- **Bug: fatras different particle final states between python and executable** (Issue#1221)  
by @CouthuresJeremy, updated on 2022-05-01
- **ci: Coverage job is broken with gcovr  $\geq$  5.1** (Issue#1211)  
by @paulgessinger, updated on 2022-04-29
- **Bug: issue on first build after DD4hep update on system with globally 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
- **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