Pull request and issue summary for acts-project/acts

July 23, 2024

acts-project/acts: PRs merged between 2024-07-16 and 2024-07-23 I

- ▶ **fix:** Fix and refactor digitization parametrization in Examples (#3386) by @andiwand, ✓ reviewed by @benjaminhuth, merged on 2024-07-16
- ▶ refactor!: use c++20 concept to define insert function for different types of seed collections (#3367)
 by @CarloVarni, reviewed by @paulgessinger, merged on 2024-07-16
- ► chore: Drop 'IWYU' (#3390) by @andiwand, ✓ reviewed by @paulgessinger, merged on 2024-07-16
- ▶ **fix:** Use 70% truth matching threshold for 'VertexPerformanceWriter' in Examples (#3368) by @andiwand, ✓ reviewed by @paulgessinger, merged on 2024-07-16
- ► refactor!: Clean up 'GainMatrixUpdater' a bit (#3387) by @andiwand, reviewed by @paulgessinger, merged on 2024-07-16
- ► chore: Use C++20 concepts unconditionally (#3385) by @paulgessinger, ✓ reviewed by @andiwand, merged on 2024-07-16
- ▶ refactor!: Refactor direct navigator initialization (#3183) by @andiwand, reviewed by @paulgessinger, merged on 2024-07-16

acts-project/acts: PRs merged between 2024-07-16 and 2024-07-23 II

- ▶ fix: Poke at Pythia8 to make it reproducible (#3392) by @paulgessinger, ✓ reviewed by @andiwand, merged on 2024-07-16
- ▶ ‰ refactor!: Move 'Navigator' external surfaces into options (#3189) by @andiwand, ✓ reviewed by @paulgessinger, merged on 2024-07-17
- ► For refactor: Make the MagneticFieldContext & GeometryContext to be hard types (#3349) by @junggjo9, reviewed by @paulgessinger, merged on 2024-07-17
- ▶ lbook docs: Load linkcheck ignore patterns from URL (#3400) by @paulgessinger, ✓ reviewed by @AJPfleger, merged on 2024-07-17
- ▶ \$\(\cdot \) feat: Allow exclusion of pdg ids in ParticleSelector (#3394)
 by @benjaminhuth,
 ✓ reviewed by @andiwand, merged on 2024-07-17
- ► fix: fixing division that was causing FPE (#3397) by @CarloVarni, ✓ reviewed by @andiwand, merged on 2024-07-17
- ► chore: Bump pybind11 to v2.13.1 (#3399) by @paulgessinger, ✓ reviewed by @andiwand, merged on 2024-07-18

acts-project/acts: PRs merged between 2024-07-16 and 2024-07-23 III

- ► **Fractor: Use 'requires' in Track EDM** (#3388) by @paulgessinger, reviewed by @CarloVarni, merged on 2024-07-18
- ▶ chore: Clean LCG setup (#3405)
 by @andiwand, ✓ reviewed by @paulgessinger, merged on 2024-07-18
- ▶ fix: setting current surface fix for DetectorNavigator (#3401) by @asalzburger, ✓ reviewed by @andiwand, merged on 2024-07-18
- ▶ fix: Fix and enable testing for RefittingAlgorithm (#3404) by @benjaminhuth, reviewed by @andiwand, merged on 2024-07-18
- ▶ **feat: new material comparison script** (#3389) by @asalzburger, ✓ reviewed by @benjaminhuth, merged on 2024-07-19
- ▶ **fix:** Fix try all navigators after running with track finding (#3408) by @andiwand, ✓ reviewed by @benjaminhuth, merged on 2024-07-19
- ▶ feat: Make vertexing in Examples more configurable (#3406) by @andiwand, ✓ reviewed by @AJPfleger, merged on 2024-07-19

acts-project/acts: PRs merged between 2024-07-16 and 2024-07-23 IV

- ▶ **fix:** add default value to ReadOnly in ScoreBasedAmbiguityResolution (#3418) by @Ragansu, ✓ reviewed by @andiwand, merged on 2024-07-19
- ▶ % refactor: RootMaterialDecorator as default for the ODD (#3415) by @benjaminhuth, ✓ reviewed by @andiwand, merged on 2024-07-19
- ▶ crefactor: Rework 'particles_selected' handling in Python Examples (#3423) by @andiwand, reviewed by @dimitra97, merged on 2024-07-22
- ► \$\mathbb{\cappa}\$ feat: Implement modified Bryson–Frazier (mBF) smoother as alternative to 'GainMatrixSmoother' (#3420) by @andiwand, \(\nabla \) reviewed by @pbutti, merged on 2024-07-22
- ▶ 🖟 fix: 'Vertex::setPosition(Vector3)' should only set position (#3421) by @andiwand, 🔽 reviewed by @dimitra97, merged on 2024-07-22
- ▶ lb refactor: Explicit 'checkPathLength' and 'isValid' intersection check (#3416) by @andiwand, reviewed by @benjaminhuth, merged on 2024-07-22
- ▶ **fix: Comparison error in DirectNavigator** (#3424) by @benjaminhuth, ✓ reviewed by @andiwand, merged on 2024-07-22

acts-project/acts: Open PRs I

- ► ↑ chore: Tweak 'TrackProxy::copyFrom' (#3426) by @andiwand, ✓ comment by @paulgessinger, updated on 2024-07-23
- ▶ \$\infty\$ feat: Variable size measurement for Examples (#3107) by @andiwand, comment by @paulgessinger, updated on 2024-07-23
- ▶ **fix:** 'VectorTrackContainer::removeTrack_impl' (#3427) by @andiwand, ✓ reviewed by @paulgessinger, updated on 2024-07-23
- ▶ ↑ refactor: Single tree for 'RootMeasurementWriter' (#3417) by @andiwand, ✓ comment by @andiwand, updated on 2024-07-23
- ▶ \$\frac{1}{1}\$ fix: display vertices annulus bounds (#3419) by @asalzburger, \$\square\$ comment by @paulgessinger, updated on 2024-07-23
- ▶ \$\instyle{\textbf{build: Remove extra minimum cmake versions, set policies}} \text{ \$\psi\$ build: Remove extra minimum cmake versions, set policies (\$\psi\$3398) by @paulgessinger, \$\nstyle{\text{V}}\$ reviewed by @andiwand, updated on 2024-07-23
- ▶ \$\int \text{fix(sonar): move/forward, avoid slicing, noexcept destructors (#3396)} by @paulgessinger, \$\times\$ changes requested by @andiwand, updated on 2024-07-23
- ▶ ↑ refactor: Lift GenericDetector to a Plugin (#3425) by @benjaminhuth,review requestedreview requested, updated on 2024-07-22

acts-project/acts: Open PRs II

- ▶ \$\times\$ feat: 'TruthVertexSeeder' for Examples (#3364) by @andiwand, comment by @paulgessinger, updated on 2024-07-22
- ▶ nefactor: Rework initial 'qOverP' sigma in Examples (#3422) by @andiwand, no reviewer, updated on 2024-07-22
- ► Stale refactor: change the definition of the rotation parameters (#2021) by @XiaocongAi, ✓ reviewed by @paulgessinger, updated on 2024-07-21
- ► \$\infty\$ Stale style: Update clang-format to v18 (#3319) by @stephenswat, \(\bar{\Lambda} \) no reviewer, updated on 2024-07-21
- ▶ (i: Add unit test seed filter objects part 1 (#3402) by @CarloVarni, ✓ comment by @CarloVarni, updated on 2024-07-19
- ▶ \$\instrum \text{ feat: GeoShapes to DetectorVolumes and GeoMaterial Converters (#3268)} by @Matthewharri, \$\subseteq \text{ comment by @Matthewharri, updated on 2024-07-19}\$
- ▶ \$\infty\$ fix: detray plugin (cmake flags, CI, and compile errors) (#3363) by @fredevb, ✓ comment by @EleniXoch, updated on 2024-07-19
- ▶ \(\) \(

acts-project/acts: Open PRs III

- ▶ \$\infty\$ feat: Use track particle double matching by default in Examples (#3409) by @andiwand, \(\bar{\Lambda} \) no reviewer, updated on 2024-07-18
- ▶ (*) ci: Reenable some ExaTrkX tests (#3395) by @benjaminhuth, ↑ no reviewer, updated on 2024-07-18
- ► \$\infty\$ feat: Prototracks-to-Tracks converter & refactor (#3357) by @benjaminhuth, \$\sqrt{\sqrt}\$ comment by @paulgessinger, updated on 2024-07-18
- ▶ \$\int \text{ feat: Introduce the usage of the geomodel converters for the Muon System (#3348)} by @dimitra97, \text{ comment by @dimitra97, updated on 2024-07-18}
- ▶ \$\infty\$ feat: Telescope style seeding (#3300) by @ssdetlab, comment by @asalzburger, updated on 2024-07-18
- ▶ \$\int \text{ feat: Hashing seeding algorithm (#3148)} \text{ by @CouthuresJeremy, \$\noting \text{ comment by @paulgessinger, updated on 2024-07-18}}
- ▶ \$\infty\$ feat: traccc plugin (conversion) (#3281) by @fredevb, \$\infty\$ comment by @paulgessinger, updated on 2024-07-18
- ▶ \$\infty\$ feat: traccc chain in examples (common chain logic and CPU chain) (#3320) by @fredevb, no reviewer, updated on 2024-07-16

acts-project/acts: Open PRs IV

- ► Stale feat: Misalignment shift and test check that only selected modules are shifted (#2843) by @LaraCalic, comment by @paulgessinger, updated on 2024-07-15
- ▶ ↑ refactor: Move MLAmbiguitySolver to Core (#3272) by @Corentin-Allaire, ↑ no reviewer, updated on 2024-07-11
- ▶ **[** feat: covfie plugin (#3117) by @fredevb, ✓ comment by @paulgessinger, updated on 2024-07-11
- Stale feat: Geometry agnostic space point maker (#2890) by @Alon|14, no reviewer, updated on 2024-07-06
- ▶ ↑ refactor: path handling to use 'std::filesystem' (#3308) by @AJPfleger, ★ changes requested by @stephenswat, updated on 2024-07-06
- ▶ \$\infty\$ fix: update the DD4hep requirements when the ODD is built (#3330) by @Corentin-Allaire, \$\square\$ comment by @Corentin-Allaire, updated on 2024-06-28
- ► Stale refactor: Use Core CKF extrapolation after inwards extension (#3195) by @andiwand, no reviewer, updated on 2024-06-21
- ► \$\int\text{ Stale feat: introduction obj simhit writer (#3180)} by @asalzburger, \(\begin{array}{c} \no reviewer, \text{ updated on 2024-06-15} \end{array}\$

acts-project/acts: Open PRs V

- ► ↑ WIP feat: Added possibility to keep intermediate particles from PythiaGenerator WIP (#3414)
 by @pbutti, ↑ no reviewer, updated on 2024-07-23
- ▶ \$\frac{1}{100}\$ WIP fix: Handle holes after measurement selection in Core CKF (#3413) by @andiwand, ✓ comment by @timadye, updated on 2024-07-23
- by @paulgessinger, no reviewer, updated on 2024-07-23
- ▶ ↑ WIP refactor: add geohook for fast digitization range selection to itk example (#2089) by @niermann999, no reviewer, updated on 2024-07-23
- ▶ (WIP feat!: Space point implementation (#1900) by @CarloVarni, comment by @paulgessinger, updated on 2024-07-22
- ▶ \$\times \text{WIP} \text{ Stale refactor!: Surface returns transform by value (#2527)} by @asalzburger, \(\bar{\chi} \) no reviewer, updated on 2024-07-22

acts-project/acts: Open PRs VI

- ▶ \$\frac{1}{100}\$ WIP Stale refactor: Some internal GSF refactorings (#2697) by @benjaminhuth, ★ changes requested by @andiwand, updated on 2024-07-21
- by @andiwand, no reviewer, updated on 2024-07-21
- by @andiwand, no reviewer, updated on 2024-07-21
- ▶ \$\times \text{WIP} refactor: physmon: enlarge etaRange for GX2F to match KF settings (#3412) by @AJPfleger, \(\bar{\Lambda} \) no reviewer, updated on 2024-07-18
- ▶ ↑ WIP refactor: Remove 'ProtoTrackTruthMatcher' in Examples (#3410) by @andiwand, ↑ no reviewer, updated on 2024-07-18
- ▶ ↑ WIP refactor: Move config files from ODD to Acts to ensure compatibility (#3407) by @benjaminhuth, ↑ no reviewer, updated on 2024-07-18
- by @andiwand, no reviewer, updated on 2024-07-18

acts-project/acts: Open PRs VII

- ▶ ↑ WIP refactor: Rework physics performance monitoring for Examples (#3359) by @andiwand, ↑ no reviewer, updated on 2024-07-18
- by @fredevb, no reviewer, updated on 2024-07-17
- by @fredevb, no reviewer, updated on 2024-07-17
- ▶ ↑ WIP refactor!: Move context from 'PropagatorOptions' to 'propagate' (#3378) by @andiwand, ↑ no reviewer, updated on 2024-07-15
- ▶ 1 WIP refactor!: Move context from fitter options to fitter calls (#3379) by @andiwand, ↑ no reviewer, updated on 2024-07-15
- ► \$\frac{1}{100}\$ we WIP refactor!: Move context from material mapping options to material mapping calls (#3381) by @andiwand, \$\hbar{1}\$ no reviewer, updated on 2024-07-15

acts-project/acts: Open PRs VIII

- ▶ ↑ WIP refactor!: Move context from vertexing options to vertexing calls (#3380) by @andiwand, no reviewer, updated on 2024-07-15
- ▶ 1 WIP refactor!: Move context from stepper state to stepper calls (#3382) by @andiwand, no reviewer, updated on 2024-07-15
- ▶ \$\forall \quad \text{WIP} \text{ Stale refactor: Remove 'lastHierarchySurfaceReached' from 'Navigator' (#3237) by @andiwand, \text{ reviewed by @paulgessinger, updated on 2024-07-14}
- ▶ \$\frac{\sqrt{\text{WIP}}}{\text{w}}\$ Stale refactor: Remove 'forceIntersectBoundaries' from 'Navigator' (#3238) by @andiwand, \sqrt{\text{v}} reviewed by @benjaminhuth, updated on 2024-07-13
- ▶ 1 WIP Stale refactor: Resolve surfaces on initialization in 'Navigator' (#3283) by @andiwand, ↑ no reviewer, updated on 2024-07-13
- by @AJPfleger, no reviewer, updated on 2024-07-12
- ▶ \$\times \text{WIP} \text{ Stale feat: Add per event timing (#3124)} by @CouthuresJeremy, \text{V} comment by @andiwand, updated on 2024-07-11}

acts-project/acts: Open PRs IX

- ▶ ↑ WIP refactor!: Template on track container frontend 'TrackContainer' (#3193) by @andiwand, ✓ comment by @paulgessinger, updated on 2024-07-10
- by @andiwand, no reviewer, updated on 2024-07-01
- ▶ 1 WIP test: Test field invariance of direction uncertainty transport (#2983) by @andiwand, no reviewer, updated on 2024-06-27
- by @andiwand, no reviewer, updated on 2024-06-27
- by @andiwand, no reviewer, updated on 2024-06-25
- by @AJPfleger, no reviewer, updated on 2024-06-23
- by @andiwand, no reviewer, updated on 2024-06-14

acts-project/acts: Open PRs X

▶ \$\frac{\square\to WIP}{\square\to WIP}\$ Stale feat: Add GSF component momentum cut to stabilize fit (#2661) by @benjaminhuth, \$\square\to comment by @benjaminhuth, updated on 2024-05-25

acts-project/acts: New stale Issues / PRs since 2024-07-16 | |

- ► Stale style: Update clang-format to v18 (#3319) by @stephenswat, no reviewer, updated on 2024-07-21
- by @andiwand, no reviewer, updated on 2024-07-21
- by @paulgessinger, no reviewer, updated on 2024-07-23
- by @andiwand, no reviewer, updated on 2024-07-21
- by @benjaminhuth, no reviewer, updated on 2024-07-21
- ► Stale refactor: change the definition of the rotation parameters (#2021) by @XiaocongAi, no reviewer, updated on 2024-07-21

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

- by @paulgessinger, no reviewer, updated on 2024-07-23
- by @asalzburger, no reviewer, updated on 2024-07-22
- by @benjaminhuth, no reviewer, updated on 2024-07-21
- ▶ \$\frac{1}{100}\$ WIP Stale feat: Covariance transport for dense propagation (#2869) by @andiwand, ↑ no reviewer, updated on 2024-07-21
- by @andiwand, no reviewer, updated on 2024-07-21
- ▶ Stale refactor: change the definition of the rotation parameters (#2021) by @XiaocongAi, no reviewer, updated on 2024-07-21
- ► Stale style: Update clang-format to v18 (#3319) by @stephenswat, no reviewer, updated on 2024-07-21

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

- Stale feat: Misalignment shift and test check that only selected modules are shifted (#2843) by @LaraCalic, no reviewer, updated on 2024-07-15
- ▶ \$\times \text{WIP} \text{ Stale refactor: Remove 'lastHierarchySurfaceReached' from 'Navigator' (#3237) by @andiwand, \text{\lambda no reviewer, updated on 2024-07-14}
- by @andiwand, no reviewer, updated on 2024-07-13
- ▶ 1 WIP Stale refactor: Resolve surfaces on initialization in 'Navigator' (#3283) by @andiwand, ↑ no reviewer, updated on 2024-07-13
- by @CouthuresJeremy, no reviewer, updated on 2024-07-11
- Stale feat: Geometry agnostic space point maker (#2890) by @Alonl14, no reviewer, updated on 2024-07-06
- Stale Project build flags are difficult to control (2024.05.29.) (#3231) by @krasznaa, updated on 2024-07-04

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

- by @andiwand, no reviewer, updated on 2024-07-01
- ▶ Stale [bug] Off axis endcap with dd4hep plugin. (#942) by @whit2333, updated on 2024-06-26
- Stale Reproducibility test using hash checks for non-linear KF (#1246) by @paulgessinger, updated on 2024-06-25
- ▶ **Stale Documentation update: Core** (#1418) by @paulgessinger, updated on 2024-06-25

- Stale Create volume restricted BFieldMap (#1659) by @asalzburger, updated on 2024-06-25

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

- Stale Cmake error if ACTS_BUILD_PLUGIN_ACTSVG=ON (#1818) by @DraTeots, updated on 2024-06-25
- Stale EstimateTrackParamsFromSeed does not use time of measurement (#2136) by @andiwand, updated on 2024-06-25
- Stale Missing 'cmake_minimum_required' in 'ActsConfig.cmake.in' (#2216) by @andiwand, updated on 2024-06-25
- Stale Bug: not all tracks have fittedMomentum (#2364) by @felix-russo, updated on 2024-06-25
- Stale Bug: AMVF 'deleteLastVertex' might be wrong (#2380) by @andiwand, updated on 2024-06-25

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

- ► Stale [Feature Request] Padding utility for field map in case tracking volume is larger than a given field map (#2523) by @janheinri, updated on 2024-06-25
- Stale Bug: Fatras sets step size to 0 (#2543) by @andiwand, updated on 2024-06-25
- ▶ Stale Ensure Fitters use all provided measurements (#2737) by @andiwand, updated on 2024-06-25
- ► Stale refactor: Use Core CKF extrapolation after inwards extension (#3195) by @andiwand, no reviewer, updated on 2024-06-21
- ► \$\int\tag{Stale}\$ feat: introduction obj simhit writer (#3180) by @asalzburger, \(\hat{\Lambda}\) no reviewer, updated on 2024-06-15
- by @andiwand, no reviewer, updated on 2024-06-14

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

- ▶ **Stale EDM Memory usage** (#1516) by @paulgessinger, updated on 2024-05-25
- ▶ **Stale Detailed timing per event** (#1700) by @CouthuresJeremy, updated on 2024-05-25
- by @benjaminhuth, no reviewer, updated on 2024-05-25
- Stale Question: Set a different value of eta range using ODD (#2776) by @rubihason, updated on 2024-05-25
- Stale bug: documentation always builds in '<source>' (#2798) by @AJPfleger, updated on 2024-05-25
- Stale Documentation on geometry misalignments (#2940) by @paulgessinger, updated on 2024-05-17

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

- ► Stale Bug: material map auto tuning only considers the "Default" mapping type (#2942) by @plariono, updated on 2024-05-17
- ▶ **Stale bug: some dependencies in setup script wrong** (#3014) by @AJPfleger, updated on 2024-05-17
- ▶ Stale perf: CKF measurement selector runs after track state creation (#3081) by @andiwand, updated on 2024-05-05
- Stale perf: CKF general (#3082) by @andiwand, updated on 2024-05-05
- Stale Some 'toStream' implementations change the state of 'std::ostream' (#3079) by @andiwand, updated on 2024-05-04
- ► Stale HepMC plugin looks incomplete (#3050) by @andiwand, updated on 2024-04-26
- Stale 'EigenStepper' (and extensions) cannot be easily extended for dense environment covariance transport (#2868) by @andiwand, updated on 2024-03-20
- Stale 'Stepper' and 'Navigator' cannot be configured by 'PropagatorOptions' (#2861) by @andiwand, updated on 2024-02-09

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

- Stale 'AdaptiveGridTrackDensity' has a hidden 'd0' cut (#2840) by @andiwand, updated on 2024-01-17
- Stale EDM4hep parameter conversion should use jacobians directly (#2813) by @paulgessinger, updated on 2024-01-11
- Stale 'Surface::boundToFreeJacobian' could also use 'FreeVector' parameters (#2810) by @andiwand, updated on 2024-01-10
- by @paulgessinger, updated on 2024-01-10
- Stale Add description of Blueprint tree and how it can be used to create layerless detector. (#2785)
 - by @paulgessinger, updated on 2024-01-10

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

- Stale Describe replacements of TrackingGeometry, TrackingVolume etc and how the classes map to one another. (#2786) by @paulgessinger, updated on 2024-01-10
- Stale Describe how the legacy geometry used to work and how it differs from the layerless geometry (#2787)
 by @paulgessinger, updated on 2024-01-10
- Stale 'SurfaceReached' aborter is messing with the step size (#2738) by @andiwand, updated on 2023-12-28
- ▶ Stale Propagation state cannot be initialized outside the propagation (#2736) by @andiwand, updated on 2023-12-28
- ▶ **Stale FPE: AMVF keepNewVertex** (#2590) by @andiwand, updated on 2023-11-26
- Stale Track finding rework (#2320) by @paulgessinger, updated on 2023-11-11
- Stale Propagator step count limit reached and Step size adjustment exceeds maximum trials (#2469)
 by @CarloVarni, updated on 2023-11-11

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

- Stale [Feature Request] Reference surface for tracking algorithm is hardcoded to be at origin (#2525) by @janheinri, updated on 2023-11-09
- Stale Incorrect material interaction in backward propagation ? (#2429) by @Corentin-Allaire, updated on 2023-10-06
- ► Stale Expand TrackingGeometry building from DD4hep with user given input (#2403) by @asalzburger, updated on 2023-09-27
- Stale FPE: GaussianMixtureReduction (#2347) by @paulgessinger, updated on 2023-09-03
- ► O Stale FPE: RootTrajectoryStatesWriter (#2348) by @paulgessinger, updated on 2023-09-03
- ► Stale FPE: RootTrajectorySummaryWriter (#2284) by @paulgessinger, updated on 2023-08-12
- Stale Inconsistent use of 'VolumeMaterialInteraction' thickness (#2279) by @andiwand, updated on 2023-08-05

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

- Stale MultiTrajectory buffer default constructible (#2154) by @tboldagh, updated on 2023-07-20
- ► Stale Track parameter estimation algorithm return parameter on the first seed SP surface (#2037)
 by @Corentin-Allaire, updated on 2023-05-25
- Stale Expose individual steps of track reconstruction in full_chain python scripts (#1997)
 by @tboldagh, updated on 2023-05-20
- Stale Different results for full_chain_itk when running locally vs lxplus (#1819) by @CarloVarni, updated on 2023-05-09

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

- Stale Bug: Unpredicatable navigation in layer with overlapping surface (#1852) by @Corentin-Allaire, updated on 2023-03-25
- Stale Optimal seeding parameters for a detector (#1699) by @CouthuresJeremy, updated on 2023-01-05
- Stale Particle smearing assertion with Geant4 (#1603) by @benjaminhuth, updated on 2022-12-21
- Stale Documentation update: Examples (#1420) by @paulgessinger, updated on 2022-11-23

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

- Stale Documentation update: How-to (core) (#1422) by @paulgessinger, updated on 2022-11-23
- ▶ **Stale Documentation update: Plugins** (#1421) by @paulgessinger, updated on 2022-10-22
- ▶ Stale Vertexing produces vertex candidates that are unreasonable (#1361) by @paulgessinger, updated on 2022-10-22
- Stale Optionally have the vertex finding recalculate perigee parameters relative to consistent reference (#1482)
 by @paulgessinger, updated on 2022-10-01
- Stale Vertexing produces unexpectedly poor efficiency (#1362)
 by @paulgessinger, updated on 2022-09-20
- Stale Ambiguous perigees with low momentum (#1386) by @andiwand, updated on 2022-09-20

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

- Stale Some writers performs their writes in the destructor (#881) by @paulgessinger, updated on 2022-08-11
- Stale Vertexing issues observed in python vertexing example (#1091) by @paulgessinger, updated on 2022-08-11

- Stale Bug: issue on first build after DD4hep update on system with globaly installed acts (#1139)
 by @gagnonlg. updated on 2022-02-22
- ▶ Stale Add example (+test) for vertex fitting with constraints (#1100) by @paulgessinger, updated on 2022-01-07
- Stale Should seed finding tools have a higher-level interface? (#988) by @stephenswat, updated on 2021-11-25

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

- Stale Tracking for TPC/DC without surfaces (#165) by @FabianKlimpel, updated on 2021-11-04