Introduction

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CERN
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Highlights

traccc

- SYCL HIP Backend Compatibility, main branch (2022.03.01.) (PR#140)
  by @krasznaa, merged on 2022-03-02

detray

- ref: Remove edges from surfaces (PR#201)
  by @niermann999, merged on 2022-02-21
- Add RK stepper (PR#204)
  by @beomki-yeo, merged on 2022-02-22
- Propagator with RK stepper (PR#209)
  by @beomki-yeo, merged on 2022-02-28
- Grid2 Const Correctness, main branch (2022.02.28.) (PR#215)
  by @krasznaa, merged on 2022-03-01
Today

- Parallelization API with OpenMP (CPU) and CUDA
  by Georgiana Mania
Backup
acts-project/traccc
Merged PRs
acts-project/traccc: PRs merged since 2022-02-18

- SYCL seeding synchronization fix (PR#137)
  by @konradkusiak97, merged on 2022-02-22

- Program Options Improvements, main branch (2022.02.22.) (PR#138)
  by @krasznaa, merged on 2022-02-25

- SYCL Code Cleanup, main branch (2022.02.25.) (PR#139)
  by @krasznaa, merged on 2022-03-01

- SYCL HIP Backend Compatibility, main branch (2022.03.01.) (PR#140)
  by @krasznaa, merged on 2022-03-02
acts-project/traccc: Open PRs I

- **Fix for SYCL Seeding on Intel GPU** *(PR#141)*
  by @konradkusiak97, updated on 2022-03-03

- **Add Seeding Performance Writer** *(PR#130)*
  by @beomki-yeo, updated on 2022-02-18

- **Add a mapper for validation purpose** *(PR#133)*
  by @beomki-yeo, updated on 2022-02-17

- **Another CUDA implementation of connected component labeling** *(PR#19)*
  by @stephenswat, updated on 2021-12-01
acts-project/vecmem
Merged PRs
acts-project/vecmem: PRs merged since 2022-02-18

- Visual Studio 2022 Update, main branch (2022.02.24.) (PR#167)
  by @krasznaa, merged on 2022-02-24

- sycl::atomic_ref, main branch (2022.02.24.) (PR#168)
  by @krasznaa, merged on 2022-02-24
Open PRs
acts-project/vecmem: Open PRs I

- [WIP] Add cms caching cuda allocator (PR#79)
  by @cgleggett, updated on 2021-04-28
acts-project/detray
Merged PRs
- ref: Remove edges from surfaces (PR#201)
  by @niermann999, merged on 2022-02-21
- Add RK stepper (PR#204)
  by @beomki-yeo, merged on 2022-02-22
- Specialize make tuple for thrust and std (PR#206)
  by @beomki-yeo, merged on 2022-02-28
- feat: typed indices (PR#207)
  by @niermann999, merged on 2022-02-28
- Propagator with RK stepper (PR#209)
  by @beomki-yeo, merged on 2022-02-28
- chore: clean clang warnings (PR#212)
  by @niermann999, merged on 2022-03-01
- Grid2 Const Correctness, main branch (2022.02.28.) (PR#215)
  by @krasznaa, merged on 2022-03-01
acts-project/detray
Open PRs
Fix a bug in ‘helix_gun‘ (PR#218)  
by @beomki-yeo, updated on 2022-03-04

CUDA propagator benchmark (PR#216)  
by @beomki-yeo, updated on 2022-03-03

feat: adding nlohman library (PR#213)  
by @asalzburger, updated on 2022-03-02

feat: make surface finders callable from navigator (PR#208)  
by @niermann999, updated on 2022-02-28

feat: add guided navigator example (PR#197)  
by @niermann999, updated on 2022-02-09

ref: Use adj matrix in geometry graph (PR#179)  
by @niermann999, updated on 2022-01-17
No merged PRs since 2022-02-18 in acts-project/algebra-plugins
Contributions today I

- Parallelization API with OpenMP (CPU) and CUDA
  by Georgiana Mania