

# Introduction

---

Paul Gessinger

CERN

2021-07-09 - ACTS Parallelization Meeting



**acts-project/traccc**

No merged PRs since **2021-06-25** in  
**acts-project/traccc**

# acts-project/traccc: Open PRs I

- **#48 - VecMem Version Update, main branch (2021.07.08.)**  
by [@krasznaa](#), updated on 2021-07-08
- **#43 - chore: Clang format sync with vecmem config**  
by [@paulgessinger](#), updated on 2021-07-08
- **#46 - cpu cuda seed finding**  
by [@beomki-yeo](#), updated on 2021-07-04
- **#40 - CPU parallel example**  
by [@georgi-mania](#), updated on 2021-07-01
- **#35 - Port ACTS binning algorithm for CPU**  
by [@beomki-yeo](#), updated on 2021-06-25
- **#44 - Introduce a pre-commit hook for clang-format**  
by [@stephenswat](#), updated on 2021-06-21
- **#19 - Another CUDA implementation of connected component labeling**  
by [@stephenswat](#), updated on 2021-06-16

## acts-project/traccc: Open PRs II

- **#33 - Implement container element views**  
by [@stephenswat](#), updated on 2021-06-15
- **#36 - Implement a common set of algorithm semantics**  
by [@stephenswat](#), updated on 2021-06-15

**acts-project/vecmem**

## acts-project/vecmem: PRs merged since 2021-06-25 |

- **#82 - Add clang-format script and CI job**  
by [@paulgessinger](#), merged on 2021-07-06
- **#86 - CMake SYCL Upgrade, master branch (2021.07.06.)**  
by [@krasznaa](#), merged on 2021-07-07
- **#87 - GoogleTest Upgrade, main branch (2021.07.06.)**  
by [@krasznaa](#), merged on 2021-07-07
- **#88 - vecmem::copy Improvement, main branch (2021.07.06.)**  
by [@krasznaa](#), merged on 2021-07-07
- **#89 - vecmem::static\_array Improvements, main branch (2021.07.08.)**  
by [@krasznaa](#), merged on 2021-07-08

## acts-project/vecmem: Open PRs I

- #79 - [WIP] Add cms caching cuda allocator  
by [@cleggett](#), updated on 2021-04-28



**acts-project/detray**

## acts-project/detray: PRs merged since 2021-06-25 |

- **#71 - feat: adding odd, adding layer display**  
by @asalzburger, merged on 2021-06-30
- **#72 - feat: prepare detector reading with vecmem**  
by @asalzburger, merged on 2021-07-01
- **#73 - feat: add surface finders definition, part 1**  
by @asalzburger, merged on 2021-07-02
- **#74 - feat: add z\_phi view**  
by @asalzburger, merged on 2021-07-02
- **#75 - feat: updating view, add x/y z/phi**  
by @asalzburger, merged on 2021-07-05
- **#76 - feat: introduce bin association for disks**  
by @asalzburger, merged on 2021-07-07
- **#77 - feat: z phi association**  
by @asalzburger, merged on 2021-07-08

## acts-project/detray: PRs merged since 2021-06-25 II

- [#79](#) - feat: encapsulate bin association to special file  
by [@asalzbunger](#), merged on 2021-07-09

# acts-project/detray: Open PRs I

- **#65 - feat: integrate simd algebra**  
by [@niermann999](#), updated on 2021-06-30

# Contributions today I

- **Memory manager developments**  
by Gabriel Alfredo Carmona Tabja
- **depray geometry status**  
by Andreas Salzburger
- **Discussion on code-sharing between the projects**