

# Acts Parallelization Meeting

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July 27, 2023

















## acts-project/traccc: PRs merged between 2023-07-14 and 2023-07-28 |

-  **Disable validate on push for policybot (PR#432)**  
by [@beomki-yeo](#), no assignee, merged on 2023-07-21
-  **Move 'check\_performance' argument to common option (PR#429)**  
by [@beomki-yeo](#), no assignee, merged on 2023-07-23
-  **Alpaka: Spacepoint Binning Implementation (PR#431)**  
by [@CrossR](#), no assignee, merged on 2023-07-24
-  **Seeding with detray - Version1 (PR#421)**  
by [@beomki-yeo](#), no assignee, merged on 2023-07-24









## acts-project/traccc: Open PRs I

-  **Update detray to v0.35.0 (PR#433)**  
by @beomki-yeo,  **no assignee**, updated on 2023-07-28
-  **Seeding algorithm (PR#407)**  
by @YhatoH,  **no assignee**, updated on 2023-07-26
-  **Add functions to calculate pvalue (PR#405)**  
by @beomki-yeo,  **no assignee**, updated on 2023-07-21
-  **Update acts version and seeding test (PR#422)**  
by @beomki-yeo,  **no assignee**, updated on 2023-07-20
-  **Seeding and Finding with detray geometry (PR#430)**  
by @beomki-yeo,  **no assignee**, updated on 2023-07-20
-  **CUDA CKF with single kernel (PR#408)**  
by @beomki-yeo,  **no assignee**, updated on 2023-07-17
-  **Add scripts for plotting throughput measurements (PR#375)**  
by @guilhermeAlmeida1,  **no assignee**, updated on 2023-06-16

## acts-project/traccc: Open PRs II

-  **feat: Test cuda full chain against cpu (PR#388)**  
by @guilhermeAlmeida1,  **no assignee**, updated on 2023-06-06
-  **Add a very simple seeding efficiency plotter (PR#370)**  
by @stephenswat,  **no assignee**, updated on 2023-06-05
-  **Implement seed finding Thunderdome in CUDA (PR#410)**  
by @stephenswat,  **no assignee**, updated on 2023-05-27
-  **Add Spack development environment specification (PR#364)**  
by @stephenswat,  **no assignee**, updated on 2023-05-11
-  **Implement CUDA block- and warp-wide odd-even sort (PR#347)**  
by @stephenswat,  **no assignee**, updated on 2023-04-20
-  **Alternative CUDA implementation of seed finding (PR#230)**  
by @stephenswat,  **no assignee**, updated on 2023-03-26
-  **Implement and test a CUDA version of the module map (PR#154)**  
by @stephenswat,  **no assignee**, updated on 2023-03-17




## acts-project/traccc: Open PRs III

-  **MPS benchmarking scripts and test workflow (PR#244)**  
by @Chamodya-ka,  **no assignee**, updated on 2023-01-25
-  **added mps script tests (PR#255)**  
by @Chamodya-ka,  **no assignee**, updated on 2023-01-25
-  **Add infrastructure for CUDA graph algorithms (PR#307)**  
by @stephenswat,  **no assignee**, updated on 2023-01-25
-  **Implement CUDA spacepoint formation with flat EDM (PR#158)**  
by @stephenswat,  **no assignee**, updated on 2022-04-01















## acts-project/detray: PRs merged between 2023-07-14 and 2023-07-28 |

-  **ref: change names of json entries (PR#511)**  
by @niermann999, no assignee, merged on 2023-07-14
-  **ref: surface interface in navigation state (PR#500)**  
by @niermann999, no assignee, merged on 2023-07-17
-  **ref: telescope detector config (PR#503)**  
by @niermann999, no assignee, merged on 2023-07-17
-  **feat: implement surface normal and incidence angle (PR#504)**  
by @niermann999, no assignee, merged on 2023-07-18
-  **ref: remove intersection from material interaction interfaces (PR#505)**  
by @niermann999, no assignee, merged on 2023-07-19
-  **Always initialize the step data of rk stepper (PR#518)**  
by @beomki-yeo, no assignee, merged on 2023-07-20
-  **feat: grid json writer (PR#510)**  
by @niermann999, no assignee, merged on 2023-07-24

## acts-project/detray: PRs merged between 2023-07-14 and 2023-07-28 II













-  **feat: fill name map (PR#509)**  
by [@niermann999](#), no assignee, merged on 2023-07-24
-  **feat: material builders (PR#364)**  
by [@niermann999](#), no assignee, merged on 2023-07-26
-  **feat: detector builder (PR#516)**  
by [@niermann999](#), no assignee, merged on 2023-07-26

## acts-project/detray: Open PRs I







-  **ref: pool detector and navigation checks in a single tool (PR#522)**  
by @niermann999,  **no assignee**, updated on 2023-07-27
-  **feat: check detector consistency (PR#515)**  
by @niermann999,  **no assignee**, updated on 2023-07-27
-  **Add a Simple Drift Chamber (PR#520)**  
by @beomki-yeo,  **no assignee**, updated on 2023-07-27
-  **feat: grid reader (PR#521)**  
by @niermann999,  **no assignee**, updated on 2023-07-26
-  **feat: detector and material reader (PR#517)**  
by @niermann999,  **no assignee**, updated on 2023-07-26
-  **feat: plugin for surface and mask visualization using actsvg (PR#502)**  
by @fredevb,  **no assignee**, updated on 2023-07-26
-  **feat: Full covfie integration (PR#506)**  
by @niermann999,  **no assignee**, updated on 2023-07-25





## acts-project/detray: Open PRs II

-  **fix: more expressive error message for ray scan (PR#512)**  
by @niermann999,  **no assignee**, updated on 2023-07-24
-  **feat: portal access for the voume (PR#513)**  
by @niermann999,  **no assignee**, updated on 2023-07-24
-  **feat: optionally reading json files for the ray scan / dot detector (PR#508)**  
by @asalzburger,  **no assignee**, updated on 2023-07-05
-  **WIP: Navigator with max constrained step size under Arbitray B field and Interactions (PR#491)**  
by @beomki-yeo,  **no assignee**, updated on 2023-06-13
-  **add vecpar example (PR#235)**  
by @georgi-mania,  **no assignee**, updated on 2023-05-15
-  **Add support for C++20 concepts (PR#447)**  
by @stephenswat,  **no assignee**, updated on 2023-04-14







## acts-project/detray: Open PRs III

-  **feat: Add cpu propagation benchmarks that use openMP (PR#404)**  
by @niermann999,  **no assignee**, updated on 2023-04-10
-  **feat: stepper print inspector (PR#402)**  
by @niermann999,  **no assignee**, updated on 2023-04-10
-  **ref: Add new stepper policy and benchmark it (PR#327)**  
by @niermann999,  **no assignee**, updated on 2022-11-10

## acts-project/vecmem: Open PRs |

-  [WIP] Add cms caching cuda allocator (PR#79)  
by @cglegett,  no assignee, updated on 2021-04-28

## acts-project/algebra-plugins: Open PRs I

-  **External Build Re-Design, main branch (2023.05.25.) (PR#104)**  
by @krasznaa,  **no assignee**, updated on 2023-05-25
-  **feat: SoA layout for vector (PR#95)**  
by @niermann999,  **no assignee**, updated on 2023-04-03
-  **feat: add a Vc SoA implementation for transform3 (PR#97)**  
by @niermann999,  **no assignee**, updated on 2023-03-29