

ats Introduction & News



A. Salzburger (CERN)

PRs | 13/04/21 - 20/04/21

fix: added `sgnH` to `maxRho` in `HelicalTrackLinearizer`. ✓ Component - Core Impact - Minor
#777 by mesmerisa was merged yesterday [next](#)

fix from Bernadette
for straight line tracks
in vertex reconstruction

feat(Examples): Add options for usage of solenoid field ✓ Component - Examples
#766 by XiaocongAi was merged yesterday · Approved [next](#)


Allow examples to
run with solenoid field
from Xiaocong

feat!: Introduce Jacobian engine, consistent Jacobian naming ✗ Component - Core Improvement
#763 by asalzburger was merged 5 days ago [next](#)

First part of propagation
to-all parameterisation
by AS

API BREAKING!

Watchlist

Open Opened 3 days ago by  Vincent Pascuzzi Developer Report abuse


Bump Acts to v7.0.0


Overview 6 Commits 1 Pipelines 1 Changes 1

Acts tag v7.0.0 is expected to contain the frozen API.

Acts in ATHENA:

- conflict with nlohmann version with ATLAS Externals

 **Bug - KalmanFitterError in TruthTrackingExample** Bug Component - Examples
#775 opened 5 days ago by baschlag next

 **Bug - Segfault in CsvSimHitReader** Bug Component - Examples Impact - Critical
#774 opened 6 days ago by baschlag next

Increased KalmanFitter errors

- needs to be investigated

Issues with Examples in high statistics observed

- CSV writer error

Talks & Meetings | 20/04/21 - 27/04/21


DD4hep Developers Meeting

📅 Thursday 22 Apr 2021, 15:30 → 17:00 Europe/Zurich

📍 2/1-034 (CERN)

👤 Marko Petric (CERN)

Description Please Join DD4hep developer's meeting via Zoom

Videoconference Rooms  DD4hep Developers Meeting

16:00 → 16:10 **ACTS DD4hep**
Speaker: Andreas Salzburger (CERN)



Software Coordination Meeting


📅 Thursday 22 Apr 2021, 16:00 → 17:00 Europe/Zurich

📍 Zoom

👤 Edward Moyses (University of Massachusetts (US)), Johannes Elmsheuser (Brookhaven National Laboratory (US))

Description

Videoconference Rooms  ATLAS Software Coordination Meeting [▶ Join](#) 



16:00 → 16:15 **Introduction** ⌚ 15m 


Speakers: Edward Moyses (University of Massachusetts (US)), Johannes Elmsheuser (Brookhaven National Laboratory (US))

16:30 → 16:50 **News from**
Speakers: A

Acts Parallelization Meeting

📅 Friday 23 Apr 2021, 16:00 → 17:00 Europe/Zurich

Videoconference Rooms  Acts Parallelization Meeting [▶ Join](#) 

16:00 → 16:20 **Roundtable** ⌚ 20m 

Papers & Reminders

“A GPU-based Kalman Filter for Track Fitting”, Ai et al

Submitted to
“Computing and Software in Big Science”

“A Common Tracking Software”, Ai et al

draft v0: [[here](#)]

comments: [[here](#)]

To be submitted to
“Computing and Software in Big Science”