

Advanced Tracking Tools

F.Gaede, DESY

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CTF discussion at CTD workshop



- discussion at Connecting the Dots Workshop about future of Common Tracking Forum
- general agreement that ACTS would be a good basis for creating a tracking toolkit ecosystem for HEP
- not one common tracking software but modular tools that can be used in different experiments and frameworks

Discussion on Common Tracking Forum

by Frank Gaede, Markus Elsing

- idea was ground up initiative to develop tracking tools
- first ACTS releases exit, with repository + build system
 see talk by Andi, some talks mentioned they develop against it already
- what are the next steps to make more codes available?
 detector independent ...
 - ⇒ building/integration, against ACTS and/or standalone?
- ⇒ who is interested? how shall we go about it?



ACTS and AIDA2020



- already some work done for ACTS in WP3:
 - made ACTS test framework multi-threaded (H.Grasland)
- plan to evaluate example implementation for CLIC-like detector and implement example for ILD-like detector
- investigate the possibility to base AIDA2020 work on common tracking tools on ACTS
 - could merge with generic pattern recognition tools developed so far for CLIC and ILD
 - implement the IMarlinTrk tracking interface with ACTS fitters
 - can we also contribute other fitter, e.g. GBL from aidaTT ?
- will focus more on tracking latter this year from DESY side
 - currently busy with preparation for large Monte Carlo production for ILD