



HEP Software Foundation

HSF Software Forum


Introduction

2018-06-06

Software Forum

- Our Context
 - After the [Community White Paper Roadmap](#) and the [Naples WLCG/HSF workshop](#) we understand better the challenges needing to be faced
 - High-Luminosity LHC and Intensity Frontier are major drivers
 - But these are folded into a larger programme of work, e.g.,
 - Run3 upgrades for ALICE and LHCb
 - Next generation nuclear experiments at FAIR
 - Intensity Frontier
 - Future accelerator projects: ILC, CLIC, FCC
- Now we try to embark on software re-engineering to face these challenges
 - There is continuity with what has come before
 - But radical changes are still needed to adapt for the future

Software Forum Topics

- We are open to wide and diverse sets of topics
 - Libraries that help us exploit modern hardware
 - Toolkits that solve common problems in the community
 - New algorithms that help tackle the accelerator and detector scenarios of the future
- We know the challenge areas for software
 - Event generation
 - Simulation
 - Reconstruction
 - Analysis

Fast chains...
- We want to keep to the best traditions of the HSF as a ‘bottom up’ organisation
 - So we are very open to all of your ideas
 - Including discussing problems we don’t know how to solve
 - hsf-coordination@googlegroups.com

Next Meetings

- We hope to by and large stick to this slot*:
 - Wednesdays 17h@CERN (odd weeks, to alternate with our Gaudi colleagues)
- However, we can probably have only one more meeting before the summer
 - 20 June - ROOT I/O Workshop
 - 4 July - US Independence Day
 - 18 July - Next meeting before the summer
- Then we will resume in September

- Thanks everyone for coming, we look forward to all your ideas and contributions for this meeting series

*For those of you who remember, it's the old Concurrency Forum slot!