



# HSF Software Forum

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Introduction

2018-10-10

# HSF Working Groups

- The HSF is setting up 3 new working groups in the ‘mission critical’ areas of
  - Reconstruction and Software Triggers
  - Detector Simulation
  - Data Analysis
- These groups should be helping to move the plans from the Community White Paper forward
- We have worked on the [mandates](#) for the new groups
  - This process has now almost converged
    - However, if you haven’t yet, please take a look
  - Mandates will be approved tomorrow in the [HSF Coordination meeting](#)
  - After which we will call for further nominations and then propose convenors

# HSF/WLCG/OSG Workshop

- The next HEP Software Foundation Workshop will be March 18-22, 2019
  - The event will be hosted in [Jefferson Lab](#)
  - We will join with WLCG to tackle *software* and *computing* problems together
  - We will also co-host with Open Science Grid (OSG)
    - This presents some logistical challenges, but it's also an opportunity to join with another like-minded community
- More details to follow, but please start to think about good topics to cover
  - Parallel and plenary sessions are envisaged

# HSF/LPCC Generators Computing Workshop

- Focus on the challenges for physics event generators that need to be faced in HEP in the next decade
  - Follow on from HSF Community White Paper.
  - Need enhanced precision - generators which are both more compute intensive and have a larger spread of weights.
  - Increasingly heterogeneous and concurrent processing landscape is a serious technical challenge
- Open to all interested parties, from the experiments and the theory community, but in particular to those who write and maintain the generator codes, from the major experiments and to experts in software engineering in HEP
- **26-27 November at CERN**, optional hackathon day on 28 November
- You can [register](#) and [contact the organisers](#)

# Software Forum

- This meeting we look at the possibilities from new computing architectures and the potential benefits and costs here
- Upcoming meetings are
  - 24 October - Free Slot
  - 7 November - HEP analysis in the Numpy ecosystem
  - 21 November - EIC Software Consortium
  - 5 December - Spark for LSST
- Please send suggestions for further meetings to [me](#) or to [hsf-coordination@googlegroups.com](mailto:hsf-coordination@googlegroups.com)
  - We should start planning meetings for next year