EICUG Software Working Group

HOW 2019

EIC Software meeting

Discussion on our approach for making physics and detector simulations for the EIC more accessible to the EICUG as a whole (D. Romanov)

Markus Diefenthaler









HOW 2019





HSF-OSG-WLCG Workshop at Jefferson Lab, HOW2019

3 Apr 2019 by Graeme Stewart

The annual HEP Software Foundation workshop happened in Jefferson Laboratory from the 18th to 22nd of March. This year we had the opportunity to join forces again with the Worldwide LHC Computing Grid [WLCG] community and, in addition, the US Open Science Grid (OSG). Almost 250 scientists, from LHC, HEP and non-HEP communities joined the meeting.

On the first day we opened the meeting with an excellent introduction to JLab from lab director Stuart Henderson and an overview of JLab computing and software from Raffaella De Vita. That was followed by plenary talks from the LHC experiments, other HPE experiments and many non HEP communities, including the next generation Us furules physics facility, the Electron-lon Collider. That set the stage for the computing and software challenges we face in data intensive



closely with other sceneros was underlined by the discussion of the Evolution of the WLCG Collaboration on Monday afternoon. Sharing an infrastructure for big data sciences, building on what we know and already have. received wide support. but the details of how to manage this, for all communities, need to be worked out.

the evaluation of technology, based on the impressive work done by the IEEP/C Bunchmarks by CC. Through an elevation of the change and HEF binds have dead and not even the HEC and interviewing are all changing and HEF binds pits abuilty to have well as making imposed and more use of HEC facilities. As HPCs equily themselves massively with compute accelerators the lid very naturally to the site affection of the section of Service Accelerators. These does are very different from CPUs, for which we have written most of our software for up to now, and pose services and finding the total contribution of the site represents on the site of the pits of the site of t

Summary



Plan for EIC Software Meeting



Goals

- Tutorials to actively learn about status of the EIC Software and to plan our next steps
- Discuss possible common projects and collaboration with other software initiatives :
 - Geant4 International Collaboration
 - HEP Software Foundation (HSF)
 - ROOT team at CERN

