Contribution ID: **416** Type: **Oral**

The LHCb Starterkit

Monday, 10 October 2016 11:45 (15 minutes)

The vast majority of high-energy physicists use and produce software every day. Software skills are usually acquired "on the go"and dedicated training courses are rare. The LHCb Starterkit is a new training format for getting LHCb collaborators started in effectively using software to perform their research. The course focuses on teaching basic skills for research computing. Unlike traditional tutorials we focus on starting with basics, performing all the material live, with a high degree of interactivity, giving priority to understanding the tools as opposed to handing out recipes that work "as if by magic". The LHCb Starterkit was started by two young members of the collaboration inspired by the principles of Software Carpentry (http://software-carpentry.org), and the material is created in a collaborative fashion using the tools we teach. Three successful entry-level workshops, as well as an advance one, have taken place since the start of the initiative in 2015, and were taught largely by PhD students to other PhD students.

Tertiary Keyword (Optional)

Analysi tools and techniques

Secondary Keyword (Optional)

Software development process and tools

Primary Keyword (Mandatory)

Collaborative tools

Primary author: PUIG NAVARRO, Albert (Ecole Polytechnique Federale de Lausanne (CH))

Co-author: CLEMENCIC, Marco (CERN)

Presenter: CLEMENCIC, Marco (CERN)

Session Classification: Track 8: Security, Policy and Outreach

Track Classification: Track 8: Security, Policy and Outreach