Contribution ID: **443**   Type: **Poster**

Making RooFit Ready for Run 3

RooFit and RooStats, the toolkits for statistical modelling in ROOT, are used in most searches and measurements at the Large Hadron Collider. The data to be collected in Run 3 will enable measurements with higher precision and models with larger complexity, but also require faster data processing.

In this talk, first results on vectorising and multi-threading likelihood fits in RooFit will be presented. These improvements will enable the LHC experiments to process larger datasets without having to compromise with respect to model complexity.

Primary author: HAGEBOECK, Stephan (University of Bonn (DE))

Co-author: MONETA, Lorenzo (CERN)

Presenter: HAGEBOECK, Stephan (University of Bonn (DE))

Session Classification: Poster Session

Track Classification: Track 2: Data Analysis - Algorithms and Tools