

Roostats

Thursday, March 14, 2013 12:10 PM (20 minutes)

Roostats is a project providing advanced statistical tools required for the analysis of LHC data, with emphasis on discoveries, confidence intervals on measurement or exclusions, and combined measurements.

After a brief review of the different statistical tools and their implementation in Roostats, we will show the experience gained of using them in producing results for physics analysis with real data, such as the Higgs combination results of ATLAS and CMS. We will review new developments which have been included recently in Roostats and we will discuss future improvements, in particular those related to performance optimizations, required to cope with the growing complex models used by the LHC experiments.

Primary author: MONETA, Lorenzo (CERN)

Presenter: MONETA, Lorenzo (CERN)

Track Classification: ROOT