



Contribution ID: 21

Type: **Presentation**

TFormula, random numbers and more news from the Math Department

Thursday 17 September 2015 14:40 (25 minutes)

An overview of the recent developments in the Mathematical and Statistical libraries of ROOT will be presented.

These new developments include a new library for random number generation, which include a new pseudo-random number generator MIXMAX, based on Kolmogorov K-system which can be mathematically demonstrated to be a random system.

The new capabilities of the TFormula class of ROOT, based on Cling and recently released will be also shown. Recent improvements of the histogram libraries will be also presented, including new available capabilities in fitting ROOT objects.

Furthermore, we will show also future developments plans in the ROOT statistical libraries and in particular we will show some planned future extensions of the ROOT multi-variate library, TMVA.

Author: MONETA, Lorenzo (CERN)

Presenter: MONETA, Lorenzo (CERN)

Session Classification: Presentations

Track Classification: Presentations