Tips and tricks with RooFit - Tutorial

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RooFit is a flexible fitting and data modelling package, which is a part of ROOT data analysis framework. It offers advanced features like multidimensional and constrained fits as well as simultaneous fits to multiple datasets. Fitting function components can be easily visualized and plotted along with full uncertainty propagation. In addition, various tests can be applied, which include: χ^2, Kolmogorov-Smirnov and calculating pulls.

This tutorial will present some of these features of RooFit, which can be easily applied to a variety of fitting problems. It will include a hands-on excercise. A basic knowledge of Root is preferable for the tutorial and it requires a RooFit enabled ROOT installation in order to actively participate.

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