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Unfolding at the LHC: A review of unfolding at the LHC, including recent and future developments with RooUnfold.

Tuesday, 13 July 2021 17:30 (15 minutes)

As the LHC prepares to enter its third run, analyses are increasingly focused on a drive for precision physics. One of the great tools for precision physics in this field is that of unfolding. This talk describes the development and usage of RooUnfold, RooFitUnfold, and RooUnfoldML in particle physics. Together they form a complete series of statistical software packages for the treatment unfolding problems, including most of the unfolding methods that are commonly used in particle physics, common uniform tools to evaluated their performance, and proposed methods for future analyses.

Are you are a member of the APS Division of Particles and Fields?

No

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Session Classification: Computation, Machine Learning, and AI

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