The LHC Experience

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The ATLAS and CMS collaborations have produced numerous results during the
first two data-taking runs of the LHC, ranging from precision measurements of SM processes to searches for exotic phenomena and the dicovery of the Higgs boson. All of these results make use of sophisticated statistical techniques, not only to provide statistical inferences from the data, but also during the development and review of the data analysis for optimisation and validation of the results. In this talk, I will cover some of the common practices and tools used at both ATLAS and CMS, and practical aspects of producing statistical results, including combinations across different channels or experiments.

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