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Statistical combination of experimental results in ATLAS

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The combination of experimental results requires a careful statistical treatment. We review the methods and tools used in ATLAS for the statistical combination of measurements and of limits on new physics. We highlight the methods used in the recent combination of ATLAS and CMS measurements of the Higgs boson production/decay rates and the constraints on the Higgs coupling parameters.

Summary

Author: GADATSCH, Stefan (CERN)

Presenter: GADATSCH, Stefan (CERN)

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