

# Publishing full statistical models of CMS physics analyses

*Saturday 20 July 2024 14:30 (17 minutes)*

The CMS Collaboration has recently approved the publication of full statistical models of physics analyses. This includes the publication of the CMS data, which facilitates the construction of the full likelihood. The statistical inference tool “Combine” needed for this purpose is now available under an open source licence. This talk highlights some features of Combine and discusses the use of those models including the ones used for the discovery of the Higgs boson.

## Alternate track

### I read the instructions above

Yes

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**Session Classification:** Computing and Data handling

**Track Classification:** 14. Computing, AI and Data Handling