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Type: **Higgs**

Combined Higgs boson measurements by the ATLAS experiment and their Effective Field Theory interpretations

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The most precise measurements of Higgs boson cross sections, using the framework of Simplified Template Cross Sections (STXS), are obtained from a combination of the measurements performed in the different Higgs boson decay channels. These combined measurements, as well as those from single decay channels, are used to constrain those Standard Model Effective Field Theory (SMEFT) parameters that affect the Higgs boson production and decay.

Summary

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