

30th International Symposium on Lepton Photon Interactions at High Energies



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## Measurements of Higgs boson couplings and differential cross-sections

*Tuesday 11 January 2022 17:06 (16 minutes)*

With Run-3 of the LHC fast approaching, the analyses of the full Run-2 dataset for Higgs precision couplings and differential cross-sections are being completed. The talk will cover the  $4l$ , diphoton,  $WW$ , di-tau and  $bb$  channels, as well as dedicated measurements in  $t\bar{t}H$  and  $VH$  production. These measurements provide the greatest global constraints on our knowledge of Higgs boson properties to date from CMS.

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**Session Classification:** Precision SM Measurements

**Track Classification:** Standard Model