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Measurements of Higgs boson coupling properties to bottom and charm with the ATLAS detector

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Probing the Yukawa couplings between the Higgs boson and fermions is essential to understanding the origin of fermion masses. Higgs boson decays into pairs of quarks offer a direct window into these couplings and broader Higgs boson properties. This talk presents ATLAS measurements of Higgs decays into bottom quark pairs and searches for decays into charm quark pairs, based on the full Run 2 dataset of proton-proton collisions at $\sqrt{s} = 13$ TeV, with the inclusion of available Run 3 results where relevant.

Secondary track

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