

Phenomenology 2022 Symposium: From Virtual to Real



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Global Analysis of Electroweak Data

Tuesday 10 May 2022 15:00 (15 minutes)

In this talk, I will review the most recent global analysis of electroweak data in the Standard Model as obtained in the HEPfit framework (arXiv:2112.07274). Moreover, I will discuss the impact of the recent measurements of the top-quark mass (CMS collaboration) and of the W-boson mass (CDF collaboration) on the fit of electroweak data in the Standard Model and beyond with a particular emphasis on constraining new physics models with oblique corrections and the dimension-six Standard Model Effective Field Theory.

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