



Contribution ID: 88

Type: **not specified**

## Theoretical uncertainties due to missing higher orders in perturbative computations

*Friday 13 May 2022 10:10 (20 minutes)*

Constantly increasing accuracy of the experimental data and high-order calculations require rethinking the theoretical uncertainties due to the missing higher orders. The traditionally used simple but ad hoc scale variation prescription has no probabilistic interpretation. The Bayesian approach to theoretical uncertainties introduced by Cacciari and Houdeau offers an alternative. I will discuss the pros and cons of the Bayesian approach, present recent developments, and illustrate them with some practical examples.

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**Session Classification:** Friday Morning Session 1