On the convergence of the SMEFT expansion

Thursday 13 June 2024 18:15 (15 minutes)

I will discuss a forthcoming paper on the convergence of the SMEFT expansion in the specific case of Drell Yan. By using some top down examples I will show how realistic the use of data binned in energy to better constrain Wilson coefficients is, and when this approach fails. I will also explore when dimension-six squared terms improve the quality of (simplified) fits and when this approach leads to bad results.

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