Contribution ID: **30**   Type: **not specified**

Anomalous dimensions of leading twist operators to four loops

Thursday 18 April 2024 12:00 (30 minutes)

The anomalous dimensions of the twist-2 operators control the scale evolution of the Parton Distribution Functions. The precision targets set by the forthcoming experiments at the LHC and at the EIC require the calculation of the four-loop anomalous dimensions. I will describe a theoretical framework, based on the renormalisation of off-shell correlators, which allows to determine these quantities efficiently. Finally, I will discuss recent progress obtained within this approach.

Primary author: FALCIONI, Giulio (University of Zuerich and University of Turin)

Presenter: FALCIONI, Giulio (University of Zuerich and University of Turin)

Session Classification: Parallel 5