



Contribution ID: 56

Type: **not specified**

## One-loop evolution of twist-2 generalized parton distributions

*Thursday, 30 May 2024 09:00 (30 minutes)*

In this talk, I will revisit the evolution of generalised parton distributions (GPDs) at leading order in the strong coupling constant  $\alpha_s$  for all of the twist-2 quark and gluon operators. I will present a rederivation of the one-loop evolution kernels, expressing them in a form suitable for implementation, and check analytically that some basic properties, such as DGLAP/ERBL limits and polynomiality conservation, are fulfilled. I will also present a number of numerical results obtained with a public implementation of the evolution in the library APFEL++ and available within the PARTONS framework.

**Primary author:** Dr BERTONE, Valerio (CEA Paris-Sclay)

**Presenter:** Dr BERTONE, Valerio (CEA Paris-Sclay)

**Session Classification:** Thursday