ID contributo: **19**   Tipo: **non specificato**

Positivity constraints on parton distributions

lunedì 27 maggio 2024 11:30 (30 minuti)

I discuss the constraints that positivity of physical cross-sections impose on unpolarized and polarized collinear parton distribution functions. I explain why in a generic factorizations scheme leading-twist PDFs may turn negative beyond leading order, and show that however in the commonly used MSbar scheme this cannot happen in the perturbative regime. I then discuss the implications of this for phenomenology, using recent results both in the unpolarized and polarized case.

Autore principale: FORTE, Stefano (Istituto Nazionale di Fisica Nucleare)

Relatore: FORTE, Stefano (Istituto Nazionale di Fisica Nucleare)

Classifica Sessioni: Monday