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Yizhuang Liu - The time-ordering issue of TMD soft factors

Wednesday 11 September 2024 13:30 (30 minutes)

In this talk I revisit the time-ordering issue of TMD soft factors based on coordinate-space analyticity properties of Wightman functions in Wightman-Osterwalder-Schrader QFTs.

In particular, I show that the TMD soft factor for the DY process in three rapidity regularization schemes can be smoothly connected to each other in a way that maintains certain crucial equalities required for lattice applications.

Presenter: LIU, Yizhuang

Session Classification: Talks