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Type: **Invited talk**

Euclidean versus Minkowski short distance

Sunday, August 5, 2018 2:30 PM (30 minutes)

In this talk I shall reexamine the possibility of extracting parton distribution functions from lattice simulations. I discuss the case of quasi-parton distribution functions, the more recent proposal of directly trying to compute the current-current T -product on the lattice and the possibility of making reference to the reduced Ioffe-time distribution. I show that the process of renormalization hindered by lattice momenta limitation represent an obstruction to a direct Euclidean calculation of the parton distribution function.

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