Contribution ID: **101** Type: **Parallel session talk**

Femtoscopy with Lévy sources from SPS through RHIC to LHC

Saturday 20 July 2024 17:02 (17 minutes)

Femtoscopy is a unique tool to investigate the space-time geometry of the matter created in ultra-relativistic collisions. If the probability density distribution of hadron emission is parametrized, then the dependence of its parameters on particle momentum, collision energy, and collision geometry can be given. In recent years, several measurements have come to light that indicate the adequacy of assuming a Lévy-stable shape for the mentioned distribution. In parallel, several new phenomenological developments appeared, aiding the interpretation of the experimental results or providing tools for the measurements. In this talk, we discuss important aspects of femtoscopy with Lévy sources in light of some of these advances, including phenomenological and experimental ones.

Alternate track

I read the instructions above

Yes

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