

## Welcome to NICA days 2019 and IVth MPD Collaboration Meeting in Warsaw



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# Feasibility studies of femtoscopic measurements in MPD

*Tuesday, October 22, 2019 12:05 PM (25 minutes)*

One of measurements that will be performed in MPD are femtoscopic measurements. This technique makes possible to measure spatio-temporal sizes of the source that emits particles by measuring two-particle correlations.

In this talk I present results of studies pion-pion correlations obtained from simulation with UrQMD model and MPD detector setup. I discuss the track and pair selection criteria. I also discuss of precision of the femtoscopic measurements with MPD.

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**Session Classification:** MPD Collaboration Meeting for general audience

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