



Contribution ID: 231

Type: **not specified**

Simulation and reconstruction of electron drift velocity for MPD TPC.

Friday, 10 June 2022 14:05 (10 minutes)

Laser calibration system is a necessary part of the MPD TPC (Time-Projection Chamber) and allows to on-line measure velocity of electrons drifted in the TPC volume. Knowing of electron drift velocity is required to precise reconstruction of track points. Simulation of laser calibration system is needed to test approaches for drift velocity calculations. An approach of drift velocity determination is based on goals of fast calculations and excluding the need to search for the position of individual beams of laser calibration system. This developing is a part of MPDRoot software for the MPD experiment.

Summary

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Session Classification: Sectional talks