Contribution ID: 1733 Type: Oral

## Identification of particles by energy losses

Friday 1 November 2024 13:15 (15 minutes)

This work is based on modeled data made for SPD experimental setup on NICA . One of the detector's parts is Straw Tracker (barrel and end-cap). A particle passing through the detector losses its energy during every interaction with straws. Every meaning of energy losses depends on the covered distance in Straw Tracker, the type of particle and its energy (impulse). Knowing meanings of energy loss per unit length allows to identify types of particles passed through the detector. Additional calculations using the truncated mean method help to distinguish areas of energy losses for each type of particles more clearly and precisely.

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Session Classification: High Energy Physics

Track Classification: High Energy Physics