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Optimization of gas mixtures for the Micromegas-based central tracker of the SPD experiment

Monday 28 October 2024 18:50 (20 minutes)

In the first phase of the SPD experiment, the main tracking system will be supplemented by a Micromegasbased central tracker. When operating in a magnetic field, the performance of Micromegas detectors is largely determined by the gas mixture used. Experimental study results combined with detector simulation are presented.

Primary author: KOVIAZINA, Natalia (JINR)

Co-authors: GONGADZE, Alexi (DCBP, DLNP JINR); DEDOVICH, Dmitry (JINR); LIASHKO, Igor

Presenter: KOVIAZINA, Natalia (JINR)

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