

Micromegas-based Central Tracker prototype for the SPD experiment

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SPD (Spin Physics Detector) is a universal experimental setup that is planned to be installed at the NICA collider under construction. In the first phase of the experiment, the vertex detector will not be used, which will lead to a significant degradation of the momentum resolution and reduce the efficiency of track recognition and secondary vertex reconstruction. To minimize this effect, we propose to supplement the main track system with a Micromegas-based detector located as close as possible to the beam interaction region.

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