



Contribution ID: 4

Type: **not specified**

Garfield++ simulation of the Micromegas detector

Wednesday 11 June 2025 10:40 (10 minutes)

In the first phase of the Spin Physics Detector (SPD) experiment, the main tracking system will be complemented by a Micromegas-based central tracker. The Micromegas Central Tracker (MCT) will improve pulse resolution and tracking efficiency during the first years of SPD operation. The performance of these detectors in a magnetic field is influenced by the gas mixture used. The results of experimental studies and simulations of the detector performed with Garfield++ are presented

Summary

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Session Classification: Section Talks

Track Classification: Sectional talks: DLNP