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## Optimization of the detector configuration for the new SRC experiment with a polarized deuteron beam

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At the Laboratory of High Energy Physics (LHEP) within JINR, we're preparing a new SRC (Short-Range Correlations) experiment at the HyperNIS experimental area in the fixed target experimental hall Bld. 205. By investigating the fleeting interactions between high-momentum nucleons, SRC studies can provide unique insights into the structure of nuclear matter. This experiment will leverage a tensor-polarized deuteron beam to perform spin-dependent measurements of SRC. To achieve this, a novel setup based on a two-arm spectrometer is under development. Here, we present preliminary results on optimizing the detector configuration for this experiment.

### Summary

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