

## **Online track reconstruction for the SRC setup of the BM@N experiment**

The Short Range Correlation (SRC) program is an extension of the BM@N experiment (Baryonic matter at Nuclotron), the first experiment of the NICA project. Current report is related to the upcoming run of the experiment (November of 2021). In the report a new version of the particle trajectories reconstruction algorithm in the proton arm spectrometer of the SRC setup is described. The efficiency and speed of the reconstruction are evaluated. The possibility to use the proposed algorithm during the experimental run in the system of online monitoring is tested.

This work is supported by Russian Foundation for Basic Research grants 18-02-40104 mega and 18-02-40046 mega.

**Primary author:** MERTS, Sergei

**Presenter:** MERTS, Sergei

**Session Classification:** Do not participate

**Track Classification:** Section 3. Modern nuclear physics methods and technologies.