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The CSC data in the 2022 SRC run

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The 2022 SRC run aims on measurement of the scattering of 3.7 GeV/c/u ^{12}C ions from hydrogen in inverse quasi-free kinematics. The ground-state distribution of single nucleons in the p-shell of ^{12}C is studied by detecting two protons at large angles in coincidence with an intact ^{11}B nucleus. The nuclear fragments produced in the collision and emitted at small angles (≤ 1 deg), with respect to the incident beam, are tracked along the beam line and separated by a 2.87 Tm dipole magnet. A cathode strip chamber (CSC) and two drift chambers (DCH) are used to measure the protons and light fragments trajectories after the magnet. The report focuses on the first results of the analysis of the CSC data from the 2022 run.

Summary

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