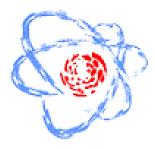
## JINR Association of Young Scientists and Specialists Conference "Alushta-2025"



Contribution ID: 27 Type: not specified

## The CSC data in the 2022 SRC run

Tuesday 10 June 2025 13:00 (10 minutes)

The 2022 SRC run aims on measurement of the scattering of 3.7 GeV/c/u 12C ions from hydrogen in inverse quasi-free kinematics. The ground-state distribution of single nucleons in the p-shell of 12C is studied by detecting two protons at large angles in coincidence with an intact 11B nucleus. The nuclear fragments produced in the collision and emitted at small angles ( $\leq$  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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Session Classification: Section Talks

Track Classification: Sectional talks: VBLHEP