

Status of CEE experiment

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Heavy-ion collisions (HICs) serve as a unique experimental tool for investigating the properties of nuclear matter under extreme conditions in the laboratory. At HIRFL-CSR energies, HICs can produce nuclear matter at densities reaching 2–3 times the normal nuclear saturation density. The HIRFL-CSR External-target Experiment (CEE) is a large-acceptance spectrometer specifically designed to explore frontier topics in high-energy nuclear physics, such as the QCD phase structure and the equation of state of nuclear matter. In this talk, we will present an overview of the current status of the CEE experiment, progresses in simulation and data analysis software as well as its future physics program.

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