

Detector development for EicC at HIAF

The proposed Electron-Ion Collider in China (EicC) envisions advancing China's future High-Intensity heavy-ion Accelerator Facility (HIAF) through strategic upgrades to establish a polarized electron-ion collider. This premier facility will provide a comprehensive experimental platform for nuclear physics, particle physics, and related scientific disciplines in China. Functioning as a modern analogue to Rutherford scattering experiments, the electron-ion collider represents an unparalleled instrument for probing the deep structure of matter. This report details EicC's primary physics goals alongside current progress in detector system design and R&D initiatives.

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