

XXVIII International Workshop on Deep Inelastic Scattering and Related Subjects



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Electron Ion Collider Design Status and Challenges

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The design of the future electron-ion collider EIC at Brookhaven National Laboratory has been continuously evolving towards a realistic, low-risk design that meets all the requirements set forth by the nuclear physics community in the White Paper. Over the past year activities have been focused on maturing the design, and on developing alternatives to mitigate risk. These include modifications to the interaction region, converting the second RHIC ring into a full-energy hadron injector, and modifications of the hadron ring vacuum system to accommodate the high average and peak beam currents. We will present the eRHIC design with a focus on recent developments.

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