

The Electron Ion Collider – A Canadian Perspective

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A major future initiative of the international nuclear physics community is the construction of the world's first electron-nucleus collider in the coming decade, with the flexibility to change the nuclear ion species as well as the beam energies. For electron-proton collisions, the Electron-Ion Collider (EIC) would be the world's first collider where both beams are polarised. Recently, the EIC has been approved for construction by the U.S. Department of Energy (US-DOE), at Brookhaven National Laboratory (Long Island, NY). In this talk, I will briefly outline the design specifications and main scientific goals of this brand-new facility. In particular, I will examine the planned and ongoing contributions of the Canadian subatomic physics community to this exciting new facility.

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Experiment

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