

## **SCIENCE AND STATUS OF THE ELECTRON ION COLLIDER IN THE US**

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A high-luminosity high-energy polarized electron ion collider (EIC) was recently recommended by the the Nuclear Science Advisory Committee (NSAC) as the highest priority new construction project within the office of nuclear physics in the US, after the completion of construction of the FRIB. The Collider was motivated by its ability to shine light on the precise role gluons play in QCD which result in the formation of various nucleons and nuclei including imparting their properties such as the mass and spin. I will present the science case for the EIC, and then talk about status and prospects of the EIC in the US.