JUAS – February 20, 2020

The Electron-Ion Collider

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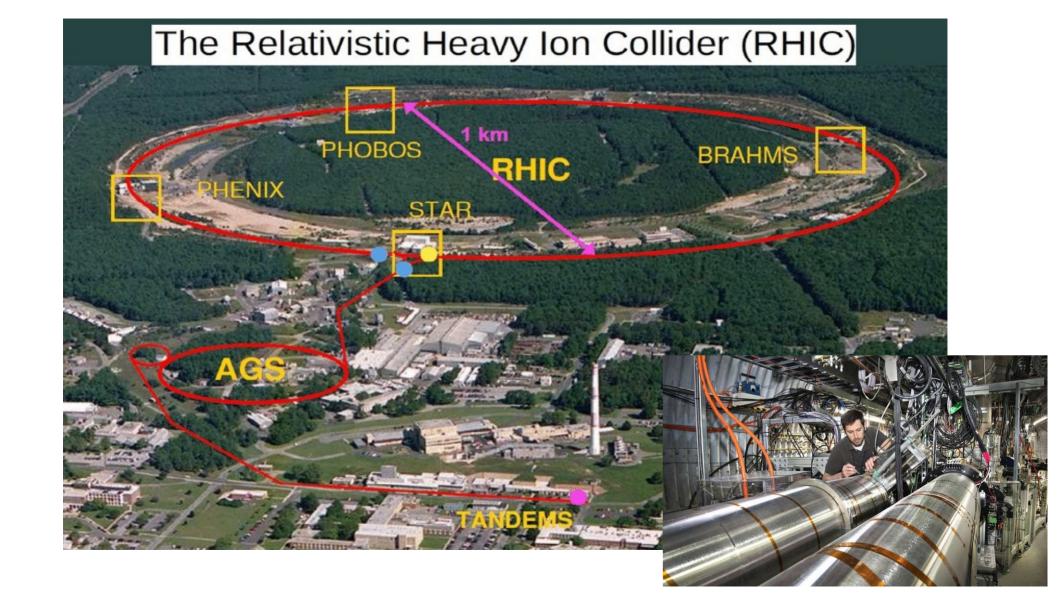


First acceleration to energies in the GeV

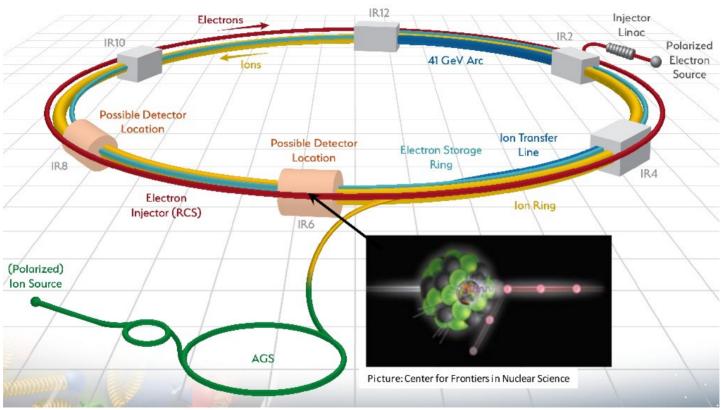


BNL – A US DOE Lab - 1947

- About 3000 staff, 4000 guests every year
- Nuclear and high-energy physics
- Physics and chemistry of materials
- Environmental and climate research
- Nanomaterials
- Energy
- Nonproliferation
- Structural biology
- Accelerator physics



January 9, 2020, announcement by DOE: BNL to host the EIC. Facility estimated to cost between \$1.6B and \$2.6B. Opportunities open up for PhD, postdoc, careers in accelerators.



Designed to collide polarized electron and ion beams
Study the properties of nuclear matter in detail via deep inelastic scattering