

2nd PSQ@EIC Meeting: Precision Studies on QCD at EIC

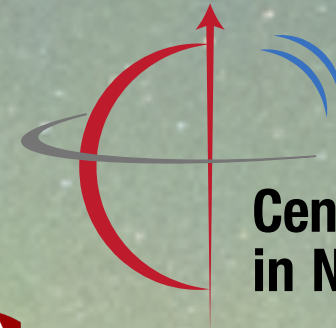
Welcome

Dave Morrison (for Abhay Deshpande)

Center for Frontiers in Nuclear Science (CFNS)

July 19-23, 2021

apctp



**Center for Frontiers
in Nuclear Science**



Stony Brook University



Brookhaven[™]
National Laboratory

Welcome to the Workshop on Precision QCD at the EIC, jointly hosted by APCTP & CFNS

It has been a pleasure to work with APCTP
We hope this is just a beginning!

We recognize that the last 18 months have been very difficult for everyone due to the pandemic.

We're very glad to see you at this meeting, engaged in science, and we hope that you, your family, and your friends are healthy and safe.

Let's hope 2021 represents the start of a recovery from COVID-19 and that in-person meetings can start again soon!



**Center for Frontiers
in Nuclear Science**

<https://www.stonybrook.edu/cfns/>

Founded in September 2017

Simons Foundation support till 2027
+ NY State SUNY 2020 initiative
+ Stony Brook & BNL

Vision:

A “Home” for all interested in the US Electron Ion Collider

- ❖ Scientific discourse
 - Workshops, seminars, conference support etc.
- ❖ Attract & support young scientists
 - Post doctoral and visitor program, student support
- ❖ Help seed detector collaborations
- ❖ Help make scientific contacts for international collaborations

Work with the EIC Users Group & the two Labs to help realize the US Electron Ion Collider.

Future goals: to expand scientific activities beyond the EIC



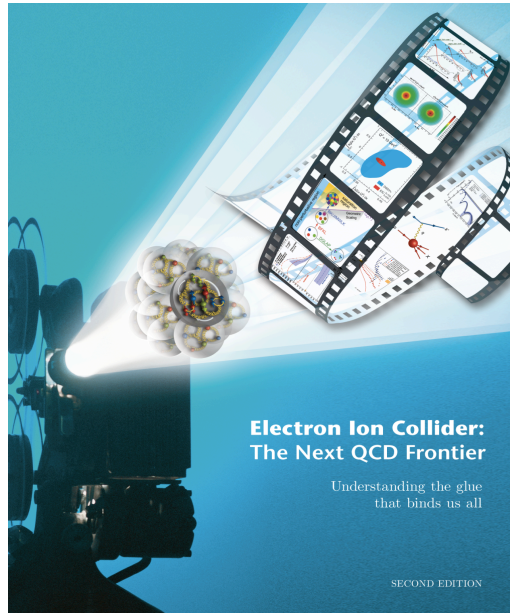
***"New directions in science are
launched by new tools much more
often than by new concepts."***

Freeman Dyson

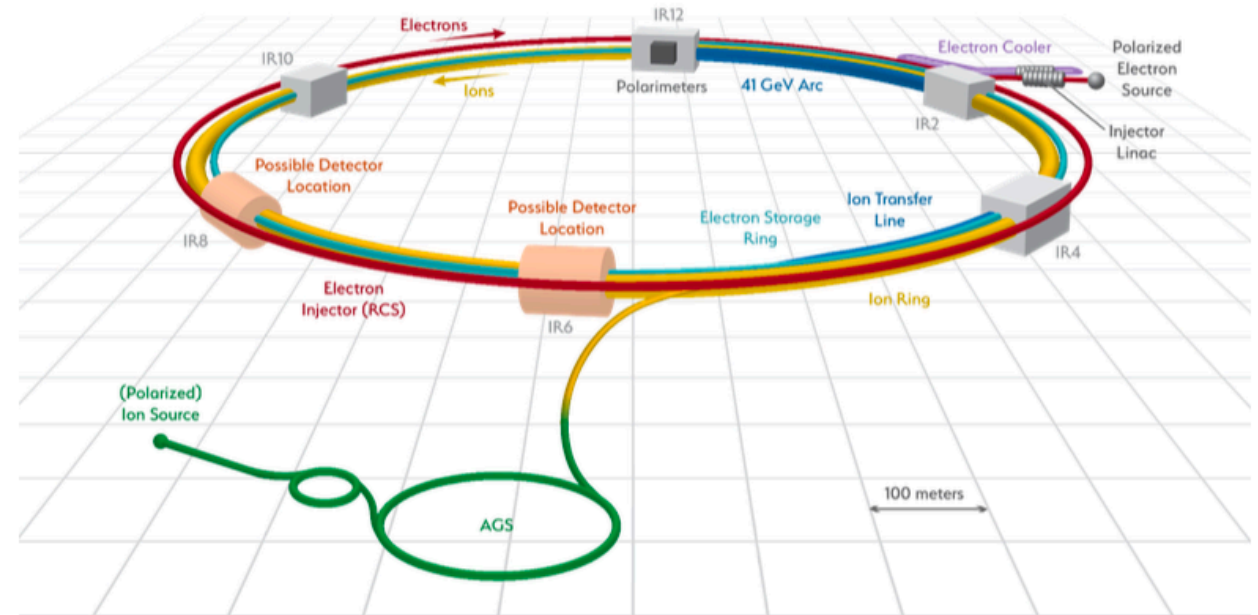
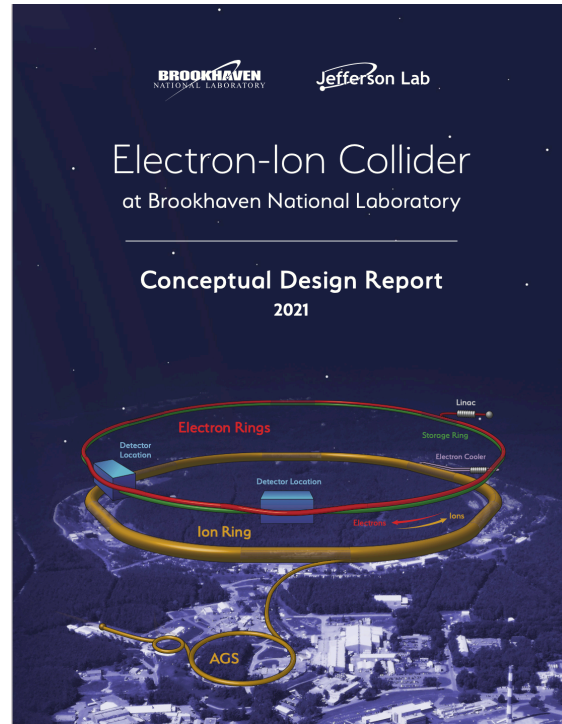


The US Electron Ion Collider

A new tool for precision QCD in the 2030s



A. Accardi et al
Eur. Phys. J. A, 52 9(2016)

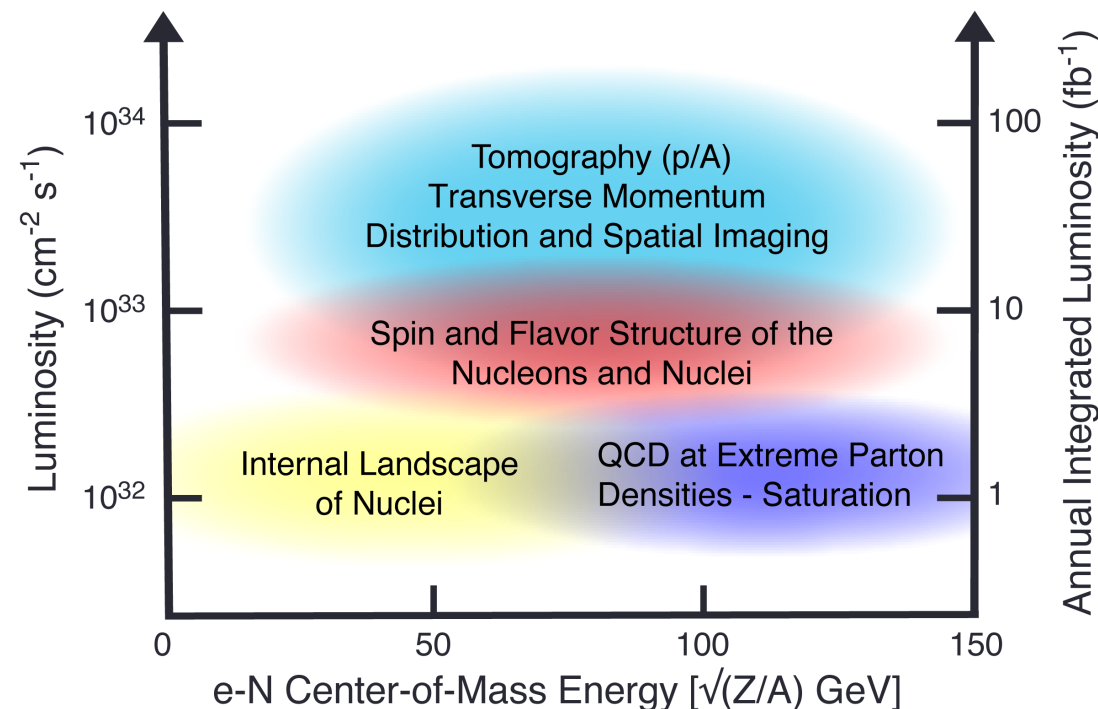
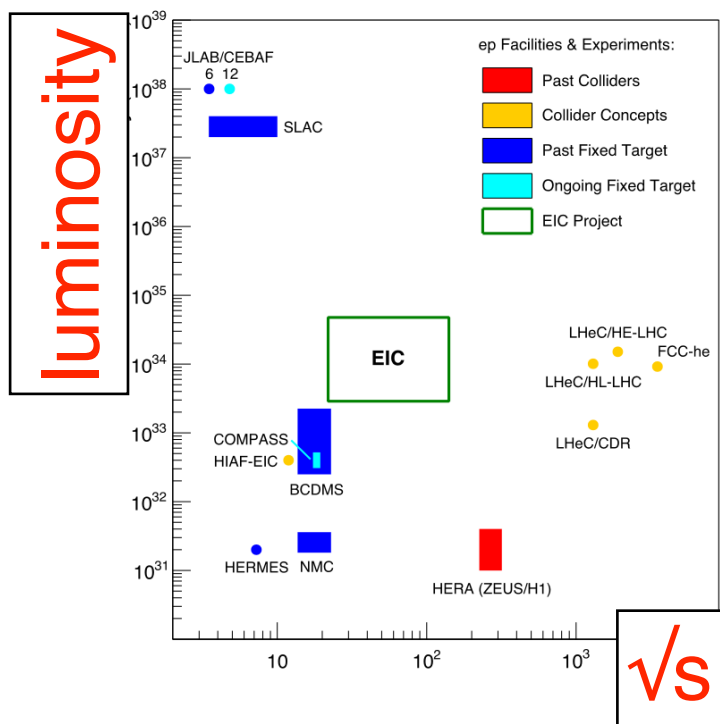


World's **first** Polarized electron-proton/light ion,

Also, world's **first** electron-Nucleus collider

Uses DOE's significant investments in infrastructure (RHIC: Relativistic Heavy Ion Collider)

A most versatile & unique tool for science



Variable beam energies & species, polarized beams, and possibility of two detectors

We should do everything to maximize the scientific outcome of this unique facility

→ This workshop series has been launched to explore these possibilities!

Have a very productive and fruitful workshop!