

FY 2018 Call for Proposals
Directed Detector R&D for an Electron Ion Collider
Summer 2017 Detector Advisory Committee Meeting

In January 2011 Brookhaven National Laboratory, in association with Jefferson Lab and the DOE Office of Nuclear Physics, announced a detector R&D program to address the scientific requirements for measurements at a future Electron Ion Collider (EIC). The primary goals of this program are to develop detector concepts and technologies that have particular importance for experiments in an EIC environment, and to help ensure that the techniques and resources for implementing these technologies are well established within the EIC user community.

This program is supported through R&D funds provided to BNL by the DOE Office of Nuclear Physics. It is not intended to be specific to any proposed EIC site, and is open to all segments of the EIC community. Proposals should be aimed at developing realistic detector concepts, optimizing detection capability to enhance the scientific reach of polarized electron-proton and electron-ion collisions up to center-of-mass energies of $140 \sqrt{Z/A}$ GeV and e-p equivalent luminosities up to $10^{34} \text{ cm}^{-2}\text{s}^{-1}$. Funded proposals will be selected on the basis of peer review by a standing EIC Detector Advisory Committee consisting of internationally recognized experts in detector technology and collider physics. This committee meets twice per year, to hear and evaluate new proposals, and to monitor progress of ongoing projects. The program is administered by the BNL Physics Department, with limited annual funds, subject to availability of funding from DOE NP.

The website for this R&D program is at: https://wiki.bnl.gov/conferences/index.php/EIC_R%25D

The next meeting of the Detector Advisory Committee is planned for July 13-14, 2017. The meeting will take place at the Thomas Jefferson National Accelerator Facility. ***Proposals for the FY18 funding period to be considered at this meeting have to be received on June 16, 2017 by 5pm EST. Proposals after the deadline will not be considered.***

Preparation and Submission of Proposals:

In collaboration with the EIC Detector R&D Committee the guidelines for preparing proposals have been ***considerably*** revised. They also contain a more detailed description of what R&D qualifies for funding. The new guidelines are more explicit in some areas in order to facilitate the review process:

- <https://wiki.bnl.gov/conferences/images/2/2e/ProposalGuidelines-5.2017.pdf>

Proposals should be submitted to:

Thomas Ullrich, Brookhaven National Laboratory

Electronic submission is encouraged: thomas.ullrich@bnl.gov