

Science and Instrumentation of the 2nd Interaction Region for the EIC

IR2@EIC Workshop March 17-19, 2021

Third and Final Circular

This first workshop of the IR2@EIC initiative will highlight the science that will benefit the most from a second EIC interaction region, including the science in deep exclusive processes, the semi-inclusive and physics with jets, heavy flavor and spectroscopy, and processes with light and heavy ions. We will also initiate working groups to develop and formulate the most compelling justification for the science at low to medium center-of-mass energies and sketch out the path towards developing a robust concept detector and its ancillary instrumentation, to be further solidified in the subsequent workshops.

This workshop is timely as Brookhaven National Laboratory and Jefferson Laboratory have announced the “Call for Collaboration Proposals for Detectors to be located at the EIC” in two interaction regions. Detector 2 could complement the project detector in IR1 and may focus on optimizing particular science topics or addressing topics beyond the requirements defined in previous published EIC documents. It also refers to possible optimization of that IR2 interaction region towards such aims.

The goal of the IR2@EIC initiative and the series of workshops in 2021 is to develop the scientific underpinnings and instrumentation options to support such a science program.

You can find the information about the meeting agenda and registration at this link to the web page <https://indico.bnl.gov/e/IR2-WS1>.

→ It is essential to register to receive the passcode for the Zoom meeting.

We welcome everyone in the Nuclear Science community to participate in this important and timely workshop.

Local Organizing committee: Whitney Armstrong, Ian Cloët, Sylvester Joosten, Jihee Kim, Zein-Eddine Meziani, Chao Peng.

Organizing committee:

Volker Burkert, Marco Contalbrigo, Abhay Deshpande, Latifa Elouadrhiri, Haiyan Gao, Barbara Jacak, Richard Milner, Franck Sabatié, Todd Satogata, Bernd Surrow.