

Expression of Interest - SWG



Please indicate the name of the contact person for this submission:

Conveners of the SWG: eicug-software-conveners@eicug.org

Please indicate all institutions collectively involved in this submission of interest:

See next slide for more details.

Please indicate the items of interest for potential equipment cooperation:

EIC collaborations will determine for themselves what they do for software, but that will likely include common software.

We would like to leverage everyone's experience to define requirements for EIC Software and identify common software projects based on these requirements.

The EOI will cover all components of EIC Software: Simulation, reconstruction, physics analyses, streaming readout, online monitoring, etc., and will include the emerging technologies of AI / Machine Learning and possibly Quantum Computing.

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Opportunities for engagement of other groups

There are many ways to contribute. Please see our slides for more context and engage with us:

<https://indico.bnl.gov/event/9170/attachments/30156/47111/SWG-EOI.pdf>

Additional information you think may be useful for the community to know about your expression of interest.

September 3

- First discussion on common projects and the Expression of Interest:
<https://indico.bnl.gov/event/9170/>
- **Including contributions from:** ANL, BNL, CEA/Partons, JLAB, LANL, ORNL, Radasoft LLC, Stony Brook University, and University of Manitoba.
- More contributions being added.