

Expressions of Interest

Call for Expressions of Interest for Potential Cooperation on the EIC Experimental Program



EOI FAQ: Can institutions submit more than one EOI?

Institutions may very well consist of different groups that have more than one interest. However, individual institutions should not submit more than one EOI, and that EOI should be all-inclusive. **Institutions may also join other groups and/or consortia in their EOI, with cross-referencing to the individual institution EOI.**

Expression of Interest for EIC Software

Software Consortium

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

Community-wide effort leveraging everyone's experience

- define requirements for greenfield EIC Software
 - **Software components** Simulation, reconstruction, physics analyses, streaming readout, online monitoring etc.
- work together on **common software projects** based on these requirements
 - **Examples for common software** MCEGs, DD4hep, Geant4, ACTS, Gaudi, JANA2, ROOT, Jupyter
 - **Emerging technologies** Artificial Intelligence and Quantum Computing

Timeline

July 15

Announcement

September 3

Meeting on Common Projects

Please [register](#) for updates.

**September –
October**

Cooperatively edit Expression of Interest for Software

November 1

Deadline for submission

Next steps: Please prepare up to three slides on these questions

Software Needs

Requirements What software needs for EIC Software would you like to highlight now, in a few years, and for the completion of the EIC project?

Technologies & Techniques What software technologies and techniques should be considered for the EIC?

Meeting Software Needs

What resources can your group contribute?