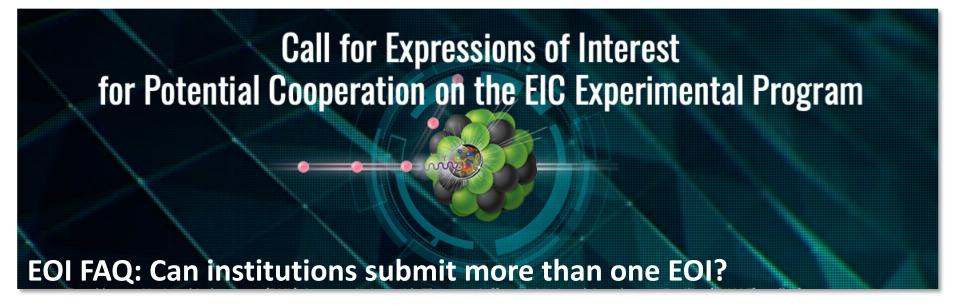
## **Expressions of Interest**



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 <u>register</u> 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?