# Welcome
# EIC Users Meeting 2019
# Paris

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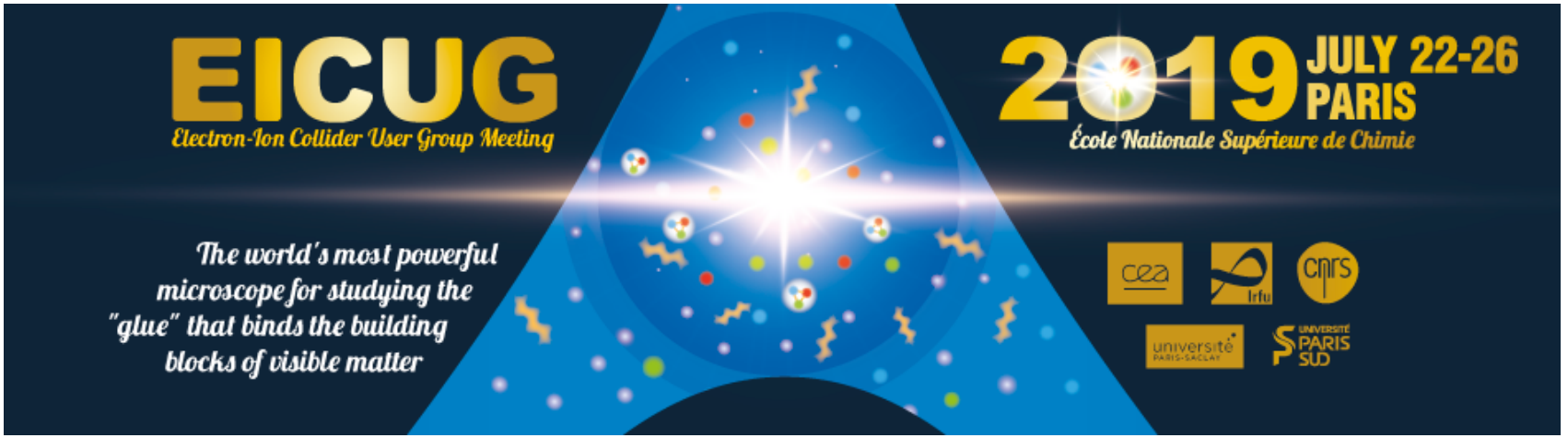
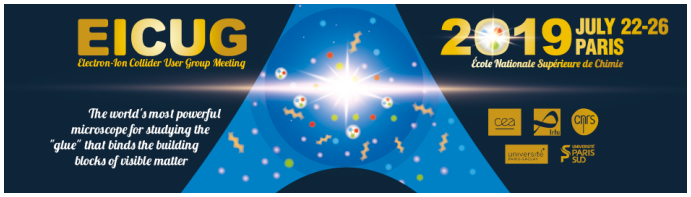
TEMPLE UNIVERSITY®

On behalf of the EIC UG Steering Committee



# Welcome

- Welcome to the EICUG meeting 2019 on behalf of the EIC Users' group Steering Committee




- Special Thanks to Francesco Bossu, Carlos Muñoz Camacho, Valérie Frois and Franck Sabatié and their staff for hosting the Users' meeting this summer in Paris.
- Special welcome / thanks to funding agency and community representatives in the EU and US of the afternoon session starting at 15:00:
  - Tim Hallman: DOE NP Perspective on a Future Election Ion Collider
  - Anne-Isabelle Etienvre: EIC interest from CEA-Saclay/IRFU perspective
  - Patrice Verdier: EIC interest from CNRS/IN2P3 perspective
  - Eugenio Nappi: EIC interest from INFN perspective
  - Manfred Krammer: Nuclear Physics at CERN
  - Marco Radici: Summary of EU strategy update
  - Barbara Erazmus: Overview of European Hadronic Physics integrating activity STRONG2020

# Orientation

- Agenda: INDICO
- Email concerning Future Planning / Strategy:
  - EICUG "Request of Information" to be submitted per institution
  - EICUG "Timeline"
  - EICUG "EIC Detector and Physics Design Study" - Next step beyond Whitepaper and Detector and Physics Handbook
- Tuesday: Morning presentation at 08:45AM on Future Planning - Parallel Session A/B
- Thursday: Afternoon session (1h) during IB meeting - Discussion on Future Planning
- Friday: Outlook and Feedback

# EIC Software Tutorial

Markus Diefenthaler

## EICUG Software Working Group

The Software Working Group is developing physics and detector simulations for the EIC.

### EIC Software Tutorial

**When and where** Tuesday, 4:00 p.m., in Chaudron

**Preparations before Tuesday afternoon**

- Install Docker
  - Caveat: Will not work on all systems (e.g., older Windows systems)
- Download EIC Software image
  - Be patient: The image contains full Geant4 and ROOT installations and is O(6GB).
- Instructions for Docker installation and image download
  - https://eic.gitlab.io/documents/quickstart/

**Focus of EIC Software Tutorial**

- JupyterLab as a collaborative workspace
- running fast simulations with eic-smear in a JupyterLab environment
- eic-smear application ideal for:
  - *"Given a (known) detector performance, how well can I measure some physics observable(s)?"*
  - *"If I need to measure X with to some precision, what detector performance do I need?*