

JLEIC COLLABORATION MEETING SPRING 2019

Thomas Jefferson National Accelerator Facility
Newport News, VA

April 1 - 3, 2019

A high energy high luminosity polarized electron-ion collider was identified and recommended by the US DOE/NSF Nuclear Science Advisory Committee (NSAC) as the next major US nuclear science research facility in its 2015 Long Range Plan (LRP).

JLEIC, an electron-ion collider based on the CEBAF recirculating Superconducting RF linac, has been proposed at Jefferson Lab for responding to this NSAC-LRP recommendation and as the lab's future nuclear science program beyond 12 GeV CEBAF fixed target program. The design studies and accelerator R&D of JLEIC have been actively pursued over the last ten years by Jefferson Lab staff and external collaborators.

Meeting will take place in CEBAF Center conference room F113.



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www.jlab.org/conferences/jleic-spring19

Jefferson Lab **JLEIC**

EIC Perspectives from the User Community

Charles Hyde*

Old Dominion University

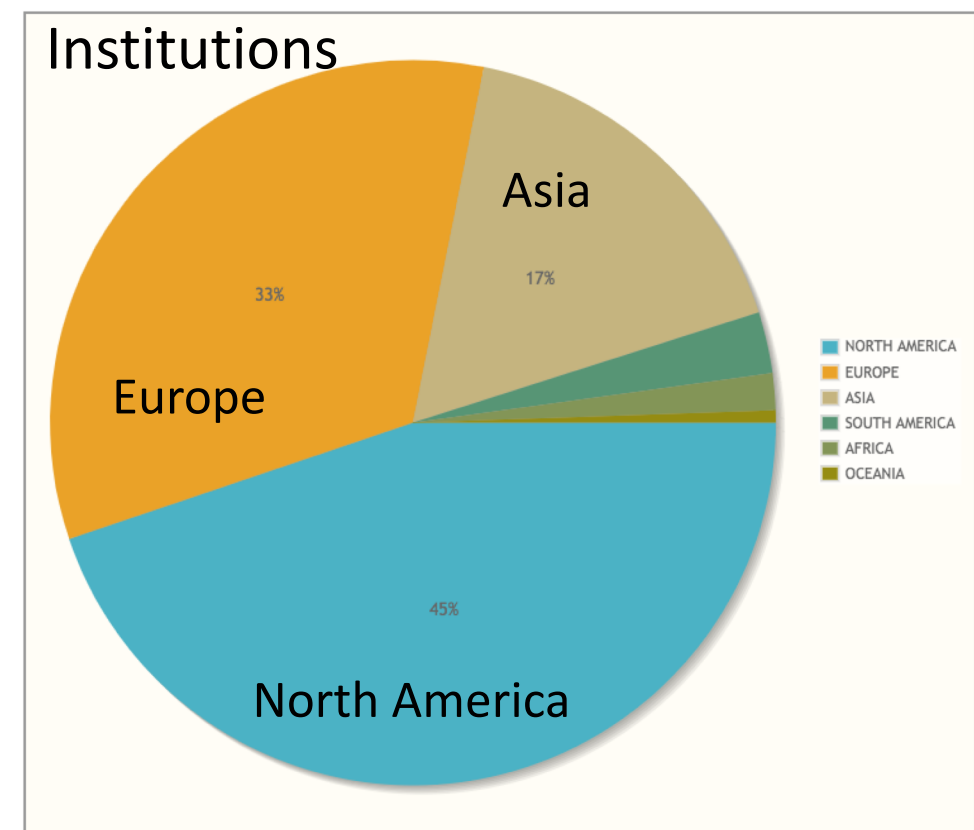
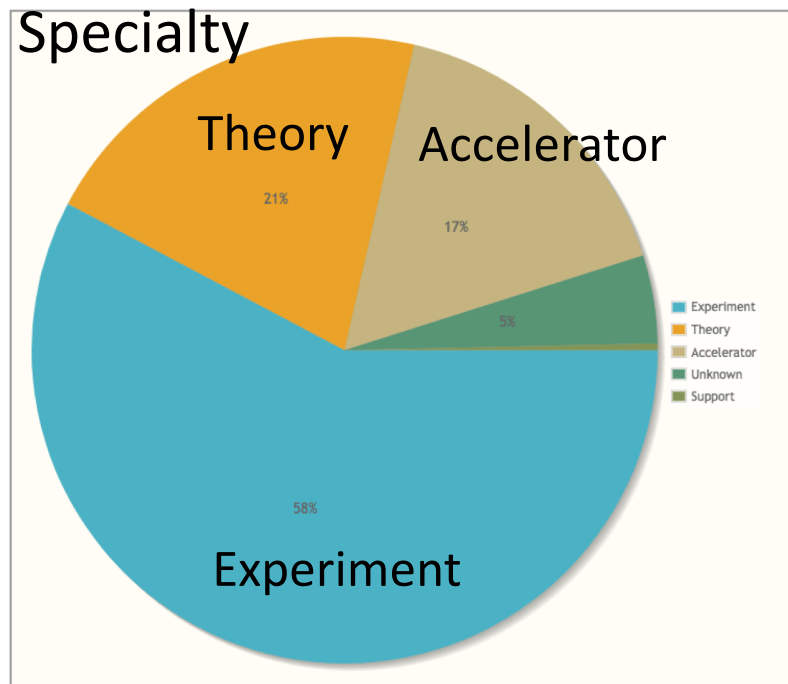
Norfolk VA

*Vice-Chair of the Electron Ion Collider Users Group
Steering Committee www.eicug.org



EIC Users Group

- 860 Members
- 180 Institutions
- 30 Countries



- New Members welcome, especially in Accelerator!



EICUG Annual Meetings

- 2019: Paris, France
- 2018: Washington D.C. (CUA)
- 2017: Trieste, Italy
- 2016: Berkeley CA & Argonne National Lab
- ...Earlier pre EICUG meetings Stony Brook, Hampton, MIT, ...

EICUG
Electron-Ion Collider User Group Meeting

2019 JULY 22-26
PARIS
École Nationale Supérieure de Chimie

The world's most powerful microscope for studying the "glue" that binds the building blocks of visible matter

International Advisory Committee

Daniël BOER: Groningen
Silvia DALLA TORRE: INFN/Trieste
Abhay DESHPANDE: BNL/Stony Brook
Rolf ENT: JLAB
Yuji GOTO: RIKEN
Tanja HORN: CUA
Charles HYDE: ODU
Richard MILNER: MIT
Carlos MUÑOZ CAMACHO: CNRS/IN2P3
Marco RADICI: INFN/Pavia
Franck SABATIÉ: CEA-Saclay
Andrei SERI: JLAB
Ernst SICHTERMANN: LBNL
Bernd SURROW: Temple
Thomas ULLRICH: BNL
Ferdinand WILLEKE: BNL
Rikutarō YOSHIDA: JLAB

Local Organizing Committee

Francesco BOSSU: CEA-Saclay
Valérie FROIS: CNRS/IN2P3, Secretary
Carlos MUÑOZ CAMACHO: CNRS/IN2P3
Franck SABATIÉ: CEA-Saclay

<https://indico.in2p3.fr/event/EICUG2019>

3D STRUCTURE OF PROTON AND NUCLEI

GLUON SATURATION AND THE COLOR GLASS CONDENSATE

SOLVING THE MYSTERY OF THE PROTON SPIN

QUARK AND GLUON CONFINEMENT

cea, lrfu, cnrs, UNIVERSITÉ PARIS SUD

Scan me



EICUG Quarterly Remote Meetings

- Videoconferences

- 2018 Oct 4

- 2019 Jan 10

- [evernote-EICUG-Remote-10Jan2019](#)

- 2019 April 4, 10:00 am – 12:00 pm EDT

- https://bluejeans.com/805461005?src=join_info

- Meeting ID: 805 461 005



EICUG Steering Committee

Weekly Meetings: Thursdays 10:00 am Eastern Time

<https://bluejeans.com/459466561>

• Officers

- Bernd Surrow (Chair)
- Charles Hyde (Vice Chair)

• At-Large

- Marco Radici
- John Arrington

• European Regional representative

- Daniel Boer

• International representative

- Yuji Gota

• Ex-Officio

- Christine Aidala (IB Chair)

• Laboratory Representatives

- Thomas Ullrich (BNL)
- Rikotura Yoshida (JLab)



EICUG Institutional Board

- One member per institution
 - Chair: Christine Aidala (Univ. Michigan)
 - Vice-Chair: Andrea Bressan (INFN Trieste)
- Quarterly Meetings
 - 14 March 2019
 - <https://agenda.infn.it/event/18674/>
 - Call for proposals to host 2020 (U.S.) and 2021 (Global) Annual Meetings
 - Next meeting at EICUG Annual Meeting in Paris



EICUG Working Groups: I

- Software WG

- Markus Diefenthaler (JLab), David Blyth (ANL) conveners.
 - D. Blyth resigned from ANL and from EIC work, searching for new converer
- Monthly Video Conference meetings
- **02/14/2019** Status of documentation and tutorials, website
- **03/07/2019** Summary of MCEG workshop, status of MCEG containerization
 - https://docs.google.com/presentation/d/1HWf26-xwdnGAfek1Se1yc9QWMwkmqUwiU_Cs4QSORaQ/edit#slide=id.g4c47d0781b_0_1
- **04/11/2019** Update on community reference reconstruction
- **05/20/2019** In-person meeting in Trieste Italy
- Mailing list eicug-software@eicug.org ([Google Group](#))
- Website <https://eic.gitlab.io>



EICUG Working Groups: II

- Polarimetry WG

- David Gaskell (JLab), Elke Aschenauer (BNL), convenors.
- 29 March 2019: <https://indico.bnl.gov/event/5902/>

- Interaction Region WG

- Charles Hyde (ODU), Alex Kiselev (BNL), Christophe Montag (BNL), Vasiliy Morozov (JLab), convenors.
- Videoconference on Precision Luminosity Measurement Challenges
15 Feb 2019: <https://indico.bnl.gov/event/5743/>
 - Ion species p to U
 - Polarization dependent signals (p, d, 3He....)
 - Collision repetition period (JLEIC 2ns, eRHIC 8ns)



Talks Committee

- Ralf Seidl (RIKEN Japan, Chair)
Carlos Munoz Camacho (IPN-Orsay, France),
Barbara Pasquini (Univ. Pavia, Italy),
Yulia Furletova (JLab), Lijuan Ruan (BNL),
- Charge:
 - Solicit invitations for EIC-themed talks from conference organizers
 - Recruit volunteers to give talks about EIC
 - Catalog talks (including slides)



Outlook

- EICUG is active.
 - Leadership working to expand member engagement
- EICUG is neutral with respect to siting decision
 - Primary interest is that the full physics program can be achieved in a timely manner.
- Tell us how we can help!