

# Plan for this session at QM 2023

- Introduction, and discussion of opportunities for ECA
- Informal discussion in small groups. One senior colleague per group
  - Activity in small groups
- Informal discussions, “feedback” to the whole group

## Program goals

- (1) Develop strategic partnerships across the various physics research networks in the Americas to tackle QCD challenges;
- (2) Identify the needs, strengths and synergies of network partners for developing large scale science projects in the US;
- (3) Design activities for researchers in the U.S., Canada, and Latin America that will facilitate leveraging complementary resources for QCD research, and
- (4) Enhance the training of the next generation of researchers in a novel set of skills that include international multi-team experience.

# Research areas related to QCD

- Accelerator technologies
- Theory
- High performance computing
- Particle detectors, instrumentation and electronics
- Real-time event selection
- Software development, and development of Monte Carlo simulation
- AI and QIS tools

Kick-off meeting at CFNS on Dec 16, 2021  
120 participants  
<https://indico.bnl.gov/event/13562/>

# List of invited networks

We are an open network: future networks can also participate

- [Electron-Ion Collider User Group](#)
- [Jefferson Lab Users Association](#)
- [RHIC and AGS User's Group](#)
- [US LHC Users Association](#)
- [Association of Latin American Nuclear Physics and Applications \(ALAFNA\)](#),
- [Southeastern Universities Research Association \(SURA\)](#)
- Latin American Association for High Energy, Cosmology and AstroParticle Physics
- [Nuclear Physics and Applications \(INCT-FNA\)](#)
- Rede Nacional de Física de Altas Energias (RENAFAE)
- [Mexican Particle Accelerator Community \(CMAP\)](#)
- [EIC-Canada Collaboration](#)
- [California EIC Consortium](#)

## List of invited network partners

We are an open network: future networks can also participate

- [Center for Frontiers in Nuclear Physics \(CFNS\)](#) at Stony Brook University & Brookhaven National Laboratory
- [The Electron-Ion Collider Center at Jefferson Lab](#)
- [Center for Accelerator Science at Old Dominion University](#)
- [The ICTP South American Institute for Fundamental Research \(ICTP-SAIFR\)](#)
- [Canadian Institute of Nuclear Physics](#)
- [TRIUMF. Canada's Particle Accelerator Center](#)
- [The Institute of Nuclear Theory](#)
- [Center for Nuclear Femtography](#)

# Community-led program

## *Some examples of activities of interest*

- Support to organize workshop, conference, summer schools
- Support for research visits
- Mobility
  - US person → to Canada or Latin America
  - Canadian or Latin American person → to US
- Support White Papers or community-led documents preparations
- Young scientists-led events
- Projects that promote development of early-career researchers
- Activities that promote better communication channels

# Examples of supported proposals related to EIC so far - Full list will be published soon

- **Accelerators:**

- EIC acceleration exchange visits between Mexican and TRIUMF at BNL and JLab

- **Experimental:**

- Research visit of student from Chile and Mexico in the US (both ways)

- **Theory**

- Research visits of US-Mexican students (both ways)
- Research visits of Brazilian students in Tennessee, Illinois and Texas

## Other supported activities

- Participation of colleagues organizing and participating at international meetings
- Mentoring activities, recent support at DIS and QM



Open for initiatives – A new call will be circulated soon

Go to <http://www.iann-qcd.org>

- For this call, IANN-QCD is interested in supporting the following types of activities:

**Activity 1:** Exchange visit programs

**Activity 2:** Early-stage research projects

**Activity 3:** Participation or organization of scientific meetings

**Activity 4:** Strategic partnerships

We also welcome any inquires

## Upcoming events

- **Capacity building workshop with early career researchers across the Americas.** Both online and ZOOM events. We count on your participation and support
- Meeting with US - Latin American science attaches in Washington DC

## New programs

- After the **capacity building workshop with ECA**, we expect they will create some “working groups” to suggest some specific proposals
- Currently exploring a joint call for proposals with international networks with other continents
- I·ANN QCD is a community-led network of networks. Your inputs and engagement are essential for making it a success

## Useful links

**Please help us advertising this program and get engaged !**

**Website:**

**<https://www.iann-qcd.org>**

**Join the IANN-QCD Mailing list**

**<https://www.iann-qcd.org/mailling-list>**

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# Examples of questions for discussion amongst the mentors and mentees

- Why did you decide to go into this field of research?
- How was your trajectory from an ECA to where you are now?
- What were some challenges you faced yourself when you were an ECA?
- What skills have been most beneficial for you?

# Examples of questions for discussion amongst the mentors and mentees

- Did you get impostor syndrome (diffidence)? How did you learn to get over it?
- Do you have any networking advice to the mentees?
- Are there any networking groups you think mentees should join?
- How do you achieve work/life balance?
- How international multi-teams' projects have shaped your work?

# Suggested activity in small groups

<b>Positive experience with mentors</b>	<b>Negative experiences with mentors</b>	<b>New ideas you would like mentors to do</b>
		



# IANN-QCD contacts

- **Program coordination:** Daniel Tapia Takaki, Christine Aidala, Carlos Bertulani, Jean Delayen, and Abhay Desphande
- **Your network representatives** (see list of invited networks)

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