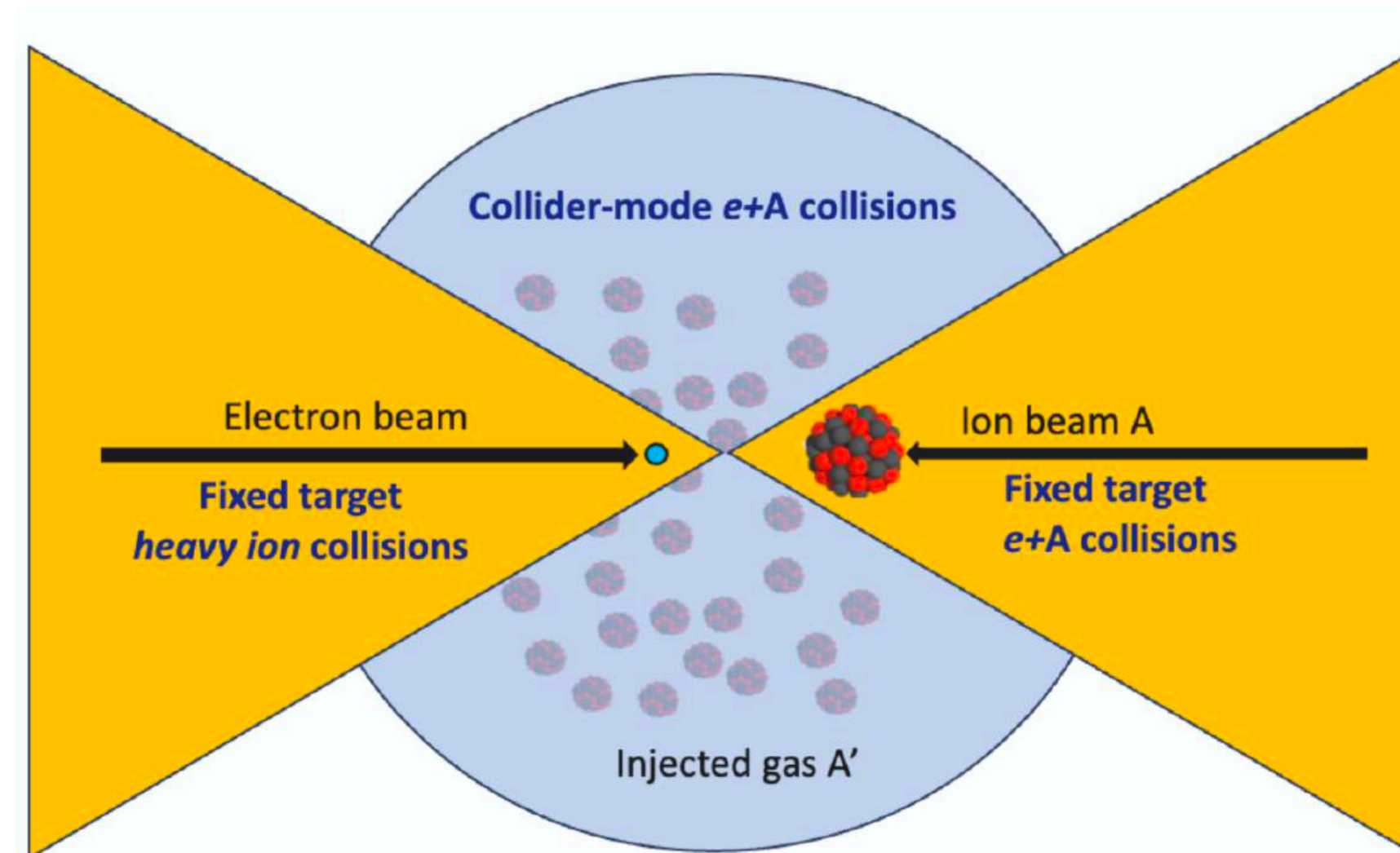


# Exploring a Fixed-Target Program at EIC

September, 29, 2025

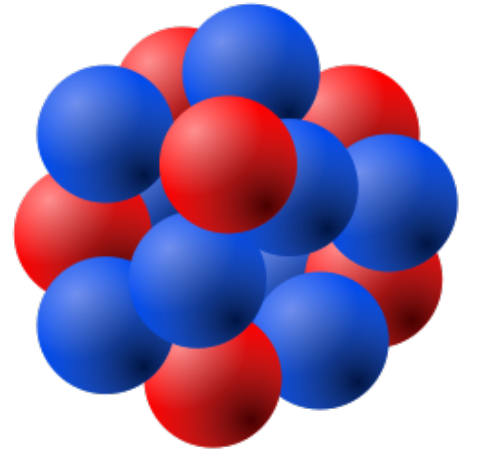


Stony Brook  
University



Center for Frontiers  
in Nuclear Science

# Objective: Exploring a Fixed-Target Program at EIC



- Isolate the physics motivations to build a strong physics case
  - define clear scientific objectives AND demonstrate the uniqueness
- Build a strong bridge between the EIC and the nuclear data program
- Establish experimental feasibility AND minimize the cost
  - beam conditions, target options, detector capabilities
- Conclude with a first proposal draft *If (i), (ii) and (iii) are achieved*
  - serve as the foundation (“first paving stone”) for future work

*By the end of the workshop, a form will circulate to establish a task force and prepare the next steps for drafting a proposal.*

# Objective: Exploring a Fixed-Target Program at EIC

- Isolate the physics motivations to build a strong physics case
  - define clear scientific objectives
- Build a strong bridge between the EIC and the nuclear data program
- Establish experimental **Fixed-target eXperiment at EIC (FIXE) initiative**
  - beam conditions, target options, detector capabilities
- Conclude with a first proposal draft
  - serve as the foundation (“first paving stone”) for future work

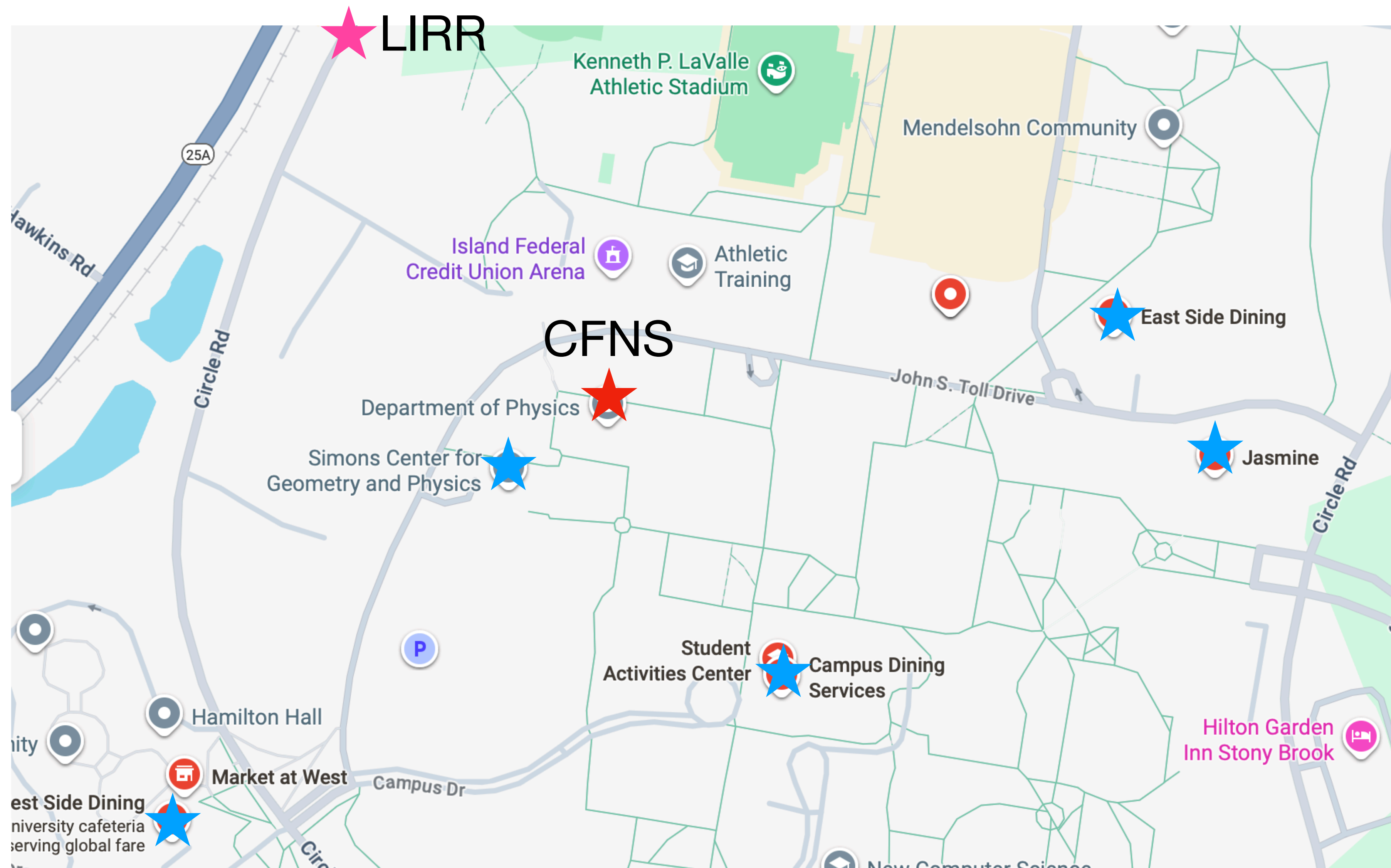
By the end of the workshop, a form will circulate to establish a task force and prepare the next steps for drafting a proposal.

**Lunch service hours:** Monday – Friday, 11:00 am to 3:59 pm (brunch on weekends until 3:59 pm)

**Dine-in locations ([link](#))**

- **East Side Dining** — large selection; also includes retail counters like **Halal NY, Wicked Wingz, Cocina Fresca, Island Soul, Delancey Street (kosher)**
- **West Side Dining** — similar full dining setup with grill, salad bar, pasta, deli, etc.
- **Retail / Grab-and-Go spots inside or near dining halls:**
  - Emporium Market (East Side) — ready meals, snacks, deli goods
  - Market at West Side — convenience store with food & beverages
  - SAC Food Court & Retail — sandwiches, grill, bowls, etc.
  - Roth Café — Starbucks, Subway, Savor, Smash n’ Shake, Popeye’s, etc.
- **Jasmine at Wang Center** — international dining (Asian, Indian, hibachi, sushi, teahouse, market)
- **Simons Center Café** — café with lunch service (11:30 am – 2:30 pm), plus coffee and light meals





## Contact

*CFNS Administrative Support:*

**Socorro Delquaglio:** [socorro.delquaglio@stonybrook.edu](mailto:socorro.delquaglio@stonybrook.edu)

*CFNS Organizer Contact:*

**Charles-Joseph Naïm:** [charlesjoseph.naim@stonybrook.edu](mailto:charlesjoseph.naim@stonybrook.edu)

## The Organizing Committee:

- **Daniel Cebra**, University of California at Davis, USA
- **Matt Durham**, Los Alamos National Laboratory, USA
- **Charles-Joseph Naïm**, Stony Brook University, USA (CFNS local organizer)
- **Ramona Vogt**, Lawrence Livermore National Laboratory & University of California at Davis, USA