

# 2019 LEC MEETING - CLOSEOUT

Heather Crawford for the **LECM Organizing Committee:**

Baha Balantekin (U. Wisconsin), Jill Berryman (NSCL/FRIB), Maxime Brodeur (Notre Dame), Art Champagne (UNC), Paul Fallon (LBNL), Alex Gade (MSU), Robert Janssens (UNC), Krzysztof Rykaczewski, (ORNL), Guy Savard (ANL), Hendrik Schatz (JINA), Nick Scielzo (LLNL), Brad Sherrill (NSCL/FRIB), Alan Wuosmaa (U. Conn.), and Sherry Yennello (Texas A&M)

# MEETING OVERVIEW

- More than 170 participants registered in advance, to participate in:
  - 11 working group sessions in addition to the parallel FRIB-TA annual meeting
  - Plenary talks highlighting the status at major user facilities (ATLAS and NSCL), ARUNA laboratories and the FRIB project
  - Plenary talks discussing the impressive work of the FRIB-TA, JINA-CEE and national security/nuclear data enterprises and highlighting the importance of diversity and education
  - GRETA and FRIB Decay Station workshops (coming up this afternoon!)
- The Low Energy Community Meeting **continues to be the place that our community gathers** to exchange ideas, get updated on the status of large projects and plan for our future

# WORKING GROUPS – I, II AND III

- FRIB Theory Alliance Meeting (3 hours)
- Nuclear Astrophysics
- High-Resolution In-Beam Gamma-Ray Spectroscopy
- Precision Measurements
- Time-Projection Chambers
- Nuclear Data
- ISLA - ReA12 Recoil Separator
- Neutron Detection
- Radioactive Decay Station
- High Rigidity Spectrometer (HRS)
- Neutron and Gamma Experiments
- Solenoid Detectors

# RESOLUTIONS

FRIB remains our top priority. The community eagerly anticipates the completion of FRIB and building of the instrumentation necessary to realize FRIB's tremendous scientific potential. Progress on the key instruments GRETA and SECAR is proceeding well. A timely start of the HRS is the community's priority. Following the 2015 Long Range Plan, the FDS and SOLARIS are necessary for our community to realize FRIB's scientific opportunities.

Operation of the national user facilities ATLAS and NSCL at optimal levels is fundamental to the health of our community. The ARUNA facilities are central to the low-energy science program and their continued effective operation is crucial. The community strongly supports the continued funding of these facilities and associated research groups at both universities and national laboratories.

JINA has become an essential part of low-energy nuclear science, providing critical interdisciplinary connections and educational opportunities. We strongly endorse continued support for JINA.

The FRIB Theory Alliance is an essential component of our field. The bridge faculty and theory fellowship positions at universities and national laboratories help to grow capability in this important aspect of our community. We strongly endorse continued support of the FRIB-TA and its programs, including computational theory and related astrophysics.

The science case for an energy upgrade of FRIB to 400 MeV/u is extremely compelling and would significantly expand the science opportunities at FRIB, as outlined in the FRIB400 whitepaper.

# LAST NOTES

## Workshops!

- FRIB Decay Station Workshop (this room, starting @ 1 pm)
- GRETA Workshop (Penn 2 @ 1 pm)

## TUNL – Lab Tour

- Gather at 1 pm, Calvin Howell will lead a tour

Reminder for ReA operations letter of support: <http://fribusers.org/letter>

# THANK YOU!

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SAFE TRAVELS!