

FRIB Day 1 Science Workshop

August 2, 2017

FRIB USERS ORGANIZATION

FACILITY FOR RARE ISOTOPE BEAMS



Welcome!

On behalf of the FRIBUEC:

D. Bardayan (ND), C. Brune (OU), K. Chipps (ORNL),
H. Crawford (LBNL), C. Deibel (LSU), C. Hoffman (ANL),
F. Nunes (MSU), G. Rogachev (TexasA&M), L. Sobotka (WashU)

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Workshop Goals

- Define and communicate to the community the capabilities of the FRIB facility for early (first ~3 years) science
- Define the instrumentation capabilities expected in the same time frame
- Identify, broadly, priorities for early science and the development of the theory in support of envisioned programs

Agenda

Time	Topic	Speaker	Time Breakdown
	FRIB Status and Overview: Chair: Kelly Chipps (ORNL)		
1:00pm	Workshop Goals	FRIBUEC	10"
1:10pm	FRIB Facility Overview	Thomas Glasmacher (FRIB)	30" + 10"
1:50pm	FRIB Equipment	Georg Bollen (FRIB)	30" + 10"
2:30pm	Break		
	Physics Session I: Chair: Carl Brune (OU)		
3:00pm	Astrophysics	Melina Avila (ANL) and Rebecca Surman (ND)	30"
3:30pm	Reactions	Bob Charity (WashU) and Charlotte Elster (OU)	30"
4:00pm	Break		
	Physics Session II: Chair: Filomena Nunes (MSU)		
4:15pm	Structure	Mitch Allmond (ORNL) and Ragnar Stroberg (TRIUMF)	30"
4:45pm	Fundamental Symmetries	Jaideep Singh (MSU) and Jon Engel (UNC)	30"
5:15pm	Applications	Greg Severin (MSU)	15"
5:30pm	Discussion -- Chair: Lee Sobotka (WashU)		30"
6:00pm	Adjourn		

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- Near impossible task given to these brave scientists...
- Idea is to begin a conversation of what programs of physics will be experimentally possible, and how ready theory is to confront new data
- This is **not** about planting flags, but about better understanding the capabilities and limitations for Day 1 science at FRIB



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- Time is short and discussion will be, unfortunately, limited
- Relevant discussions will continue in working group sessions at this meeting
- ...and in workshops to come!

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This workshop is an important first step moving toward Day 1 FRIB science, and I hope the first workshop of many in the next few years as FRIB gets closer to delivering beam!

Thank you all for coming, and we look forward to a productive workshop!