

**Connecting Bound States to the Continuum**  
**Facility for Rare Isotope Beams (FRIB)**  
**June 11-22, 2018**

**AGENDA**  
**Week 1 June 11-15**

Start	Duration	Agenda Item/Talk title	Speaker
<b>Monday, 11 June 2018 - 1221B Conference Room</b>			
9:00 AM	0:20	REGISTRATION	
9:20 AM	0:10	Welcome + goals CHAIR: H. Hergert	LAUNEY, Kristina
9:30 AM	1:00	01 Overview (Reactions - th.)	NUNES, Filomena
10:30 AM	0:20	<i>Coffee Break</i>	
10:50 AM	0:50	02 Overview of bound-state many-body methods	JOHNSON, Calvin
11:40 AM	0:20	Discussion and announcements	
12:00 PM	1:30	<i>Lunch</i> CHAIR: A. Volya	
1:30 PM	0:45	03 "Complex-energy configuration interaction approach"	NAZAREWICZ, Witold
2:15 PM	0:45	Discussion of workshop goals and working group format	Lead: TBD
3:00 PM	0:20	<i>Coffee Break</i>	
3:20 PM	1:40	Discussion of important questions in scattering and reaction theor	Lead: TBD
5:00 PM			

**Tuesday, 12 June 2018 - 1221B Conference Room**

		CHAIR: M. Caprio	
9:00 AM	0:45	04 "Overview of microscopic R-matrix approaches"	QUAGLIONI, Sofia
9:45 AM	0:45	05 "Configuration interaction studies of nuclear clustering"	VOLYA, Alexander
10:30 AM	0:20	<i>Break</i>	
10:50 AM	0:45	06 "Correlated Reference States and Effective Hamiltonians in the IM!	HERGERT, Heiko
11:35 AM	0:20	Discussions	
11:55 AM	0:05	Announcements	
12:00 PM	1:30	<i>Lunch</i>	
1:30 PM	1:30	Topical discussions (working groups)	
3:00 PM	0:20	<i>Coffee Break</i>	
3:20 PM	1:40	Topical discussions (working groups)	
5:00 PM			

**Wed 13 June 2018 - 1221B Conference Room**



*Chair: K. Fosse*

9:00 AM	0:45	07	"Spectroscopy of Continuum States - a review"	THOMPSON, Ian
9:45 AM	0:45	08	"Symmetry-adapted bases for ab initio structure and reaction thec	MERCENNE, Alexis
10:30 AM	0:20		<i>Break</i>	
10:50 AM	0:45	09	Three-body approach to deuteron-nucleus scattering using realisti	HLOPHE, Linda
11:35 AM	0:20		Discussions	
11:55 AM	0:05		Announcements	
12:00 PM	1:30		<i>Lunch</i>	
1:30 PM	1:30		Topical discussions (working groups)	
3:00 PM	0:20		<i>Coffee break</i>	
3:20 PM	1:40		<i>Topical discussions (working groups)</i>	
5:00 PM				
5:00 PM				

#### **Thu, 14 June 2018 - 1221B Conference Room**

*CHAIR: S. Quaglioni*

9:00 AM	0:45	10	Single-State method within the HORSE (J-matrix) formalism	SHIROKOV, Andrey
9:45 AM	0:45	11	Reactions with clusters in harmonic oscillator basis.	KRAVVARIS, Konstantinos
10:30 AM	0:20		<i>Break</i>	
10:50 AM	0:45	12	"Symplectic no-core configuration interaction framework for ab ini	CAPRIO, Mark
11:35 AM	0:20		Discussions	
11:55 AM	0:05		Announcements	
12:00 PM	1:30		<i>Lunch</i>	
			<i>CHAIR: L. Hlophe</i>	
1:30 PM	0:45	13	"Natural orbital methods for nuclear structure"	FASANO, Patrick
2:15 PM	0:45		Topical discussions (working groups)	
3:00 PM	0:20		<i>Coffee Break</i>	
3:20 PM	1:40		<i>Topical discussions (working groups)/FRIB tour</i>	Budner, Tamas
5:00 PM				

#### **Fri, 15 June 2018 - 1221B Conference Room**

*CHAIR: I. Thompson*

9:00 AM	0:45	14	"Ab initio folding potentials for proton-nucleus scattering based or	ELSTER, Charlotte
9:45 AM	0:45	15	"Optical potentials and knockout reactions from Green functions ti	IDINI, Andrea
10:30 AM	0:20		<i>Break</i>	
10:50 AM	0:45	16	"Coupled Cluster Green's function for microscopic optical potentia	ROTUREAU, Jimmy
11:35 AM	0:20		Discussions	
11:55 AM	0:05		Announcements	
12:00 PM	1:30		<i>Lunch</i>	
			<i>CHAIR: J. Rotureau</i>	



1:30 PM	0:45	17	"Time-Dependent Basis Function approach to scattering"	VARY, James
2:15 PM	0:45		Topical discussions (working groups)	
3:00 PM	0:20		<i>Coffee Break</i>	
3:20 PM	1:40		Topical discussions (working groups)	
5:00 PM				

