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

			AGENDA	
Start Duration			Agenda Item/Talk title	Speaker
Minday,	11 June 201	l <b>8 -</b> 1	221B Conference Room	
9:00 AM	0:20		REGISTRATION	
9:20 AM	0:10		Welcome + goals	LAUNEY, Kristina
			CHAIR: S. Quaglioni	
9:30 AM	1:00	01	Overview (Reactions - th.)	NUNES, Filomena
10:30 AM	0:20		Coffee Break	
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		Coffee Break	
3:20 PM	1:40		Discussion of important questions in scattering and reaction theory	Lead: TBD
5:00 PM				
Tuesday,	12 June 20	18 -	1221B Conference Room	
			CHAIR: K. Launey	
9:00 AM	0:45	04	"Overview of microscopic R-matrix approaches"	QUAGLIONI, Sofia

			CHAIR: K. Launey			
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		Break			
			"Symmetry-adapted bases for ab initio structure and reaction			
10:50 AM	0:45	06	theory"	MERCENNE, Alexis		
11:35 AM	0:20		Discussions			
11:55 AM	0:05		Announcements			
12:00 PM	1:30		Lunch			
			CHAIR: M. Caprio			
1:30 PM	1:30		Topical discussions (working groups)			
3:00 PM	0:20		Coffee Break			
3:20 PM	1:40		Topical discussions (working groups)			
5:00 PM						

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

Chair: K. Fossez

07 "Spectroscopy of Continuum States - a review" 9:00 AM 0:45 THOMPSON, lan



9:45 AM	0:45	08	TBD	HERGERT, Heiko
10:30 AM	0:20		Break	
10:50 AM	0:45	09	TBD	HLOPHE, Linda
11:35 AM	0:20		Discussions	
11:55 AM	0:05		Announcements	
12:00 PM	1:30		Lunch	
			CHAIR: TBD	
1:30 PM	1:30		Topical discussions (working groups)	
3:00 PM	0:20		Coffee break	
3:20 PM	1:40		Topical discussions (working groups)/FRIB tour (tentative)	
5:00 PM				
5:00 PM				
Thu, 14 Jui	ne 2018 -	1221	B Conference Room	
			CHAIR: H. Hergert	
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	0:43	11	Break	KOHStantinos
10.30 AW	0.20		"Symplectic no-core configuration interaction framework for ab	CAPRIO, Mark
10:50 AM	0:45	12	initio nuclear structure"	CAI KIO, Mark
11:35 AM	0:49	12	Discussions	
11:55 AM	0:05		Announcements	
12:00 PM	1:30		Lunch	
12.00 1 1	1.50		CHAIR: J. Vary	
1:30 PM	0:45	13	TBD	FASANO, Patrick
2:15 PM	0:45	13	Topical discussions (working groups)	1 ADAINO, 1 atrick
3:00 PM	0:49		Coffee Break	
3:20 PM	1:40		Topical discussions (working groups)	
5:00 PM	1.10		Topical discussions (working groups)	
	e 2018 - 1	12211	3 Conference Room	
			CHAIR: I. Thompson "Ab initio folding potentials for proton-nucleus scattering based	
9:00 AM	0:45	14		ELSTER, Charlotte
9:45 AM	0:45	15	TBD	IDINI, Andrea
10:30 AM	0:20		Break	
10:50 AM	0:45	16	TBD	ROTUREAU, jimmy
11:35 AM	0:20		Discussions	
11:55 AM	0:05		Announcements	
12:00 PM	1:30		Lunch	
			CHAIR: J. Rotureau	
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	Coffee Break
3:20 PM	1:40	Topical discussions (working groups)
5:00 PM		

Mon.	18	June	2018 -	1221B	Conference	Room
1410114	10	June	<b>4010</b> -		Confer check	

			Chair: W. Nazarewicz	
9:00 AM	0:45	18	"Berggren basis: Pedagogical overview"	FOSSEZ, Kevin
9:45 AM	0:45		Discussions	
10:30 AM	0:20		Break	
			Continuum shell model: the unified approach to nuclear structure	PLOSZAJCZAK,
10:50 AM	0:45	19	and reactions"	Marek
11:35 AM	0:20		Discussions	
11:55 AM	0:05		Announcements	
12:00 PM	1:30		Lunch	
			Chair: C. Brune	
1:30 PM	0:45	20	"Gamow shell model with realistic nuclear forces"	XU, Furong
2:15 PM	0:45	21	No Core Gamow Shell Model	BARRETT, Bruce
3:00 PM	0:20		Coffee Break	
3:20 PM	1:40		Topical discussions (working groups)	
5:00 PM				

# Tuesday, 19 June 2018 - 1221B Conference Room

			Chair: R. Navarro Perez	
9:00 AM	0:45	22	"Signatures of few-body resonances in finite volume"	KOENIG, Sebastian
9:45 AM	0:45	23	TBD	RUPAK, Gautam
10:30 AM	0:20		Break	
			Connecting scattering with structure calculation through	
10:50 AM	0:45	24	Improved Busch formula	ZHANG, Xilin
11:35 AM	0:20		Discussions	
11:55 AM	0:05		Announcements	
12:00 PM	1:30		Lunch	
			Chair: W. Dickhoff	
			Solving the quantum mechanical problem, from Variational	HJORTH-JENSEN,
1:30 PM	0:45	25	Monte Carlo to machine learning algorithms	Morten
2:15 PM	0:45		Topical discussions (working groups)	
3:00 PM	0:20		Coffee Break	
3:20 PM	1:40		Topical discussions (working groups)	
5:00 PM				

### Wed, 20 June 2018 - 1221B Conference Room



#### Chair: A. Shirokov

			"The dispersive optical model as an interface between ab initio	
9:00 AM	0:45	26	calculations and experiment"	DICKHOFF, Willem
9:45 AM	0:45	27	TBD	JIN, LEI
10:30 AM	0:20		Break	
10:50 AM	0:45	28	TBD	BRUNE, Carl
11:35 AM	0:20		Discussions	
11:55 AM	0:05		Announcements	
12:00 PM	1:30		Lunch	
			Chair: G. Rupak	
1:30 PM	0:45	29	TBD	NAVARRO PEREZ, Ro
2:15 PM	0:45		Topical discussions (working groups)	
3:00 PM	0:20		Coffee Break	
3:20 PM	1:40		Topical discussions (working groups)	
5:00 PM				

### THU, 21 June 2018 - 1221B Conference Room

			Chair: M. Ploszajczak "Nuclear structure aspects of double charge exchange transitions	
9:00 AM	0:45	30	and the double Gamow-Teller resonance"	AUERBACH, Naftali
9:45 AM	0:45	31	TBD	ZELEVINSKY, Vladimir
10:30 AM	0:20		Break	
10:50 AM	0:45	32	"Many-body perturbation theory calculations"	HU, Baishan
11:35 AM	0:20		Discussions	
11:55 AM	0:05		Announcements	
12:00 PM	1:30		Lunch	
			Chair: F.R. Xu	
			"Methods to deal with an effective pairing in the continuum: real	
1:30 PM	0:45	33	and complex energy representations"	ID BETAN, Rodolfo
2:15 PM	0:45		Topical discussions (working groups)	
3:00 PM	0:20		Coffee Break	
3:20 PM	1:40		Topical discussions (working groups)/FRIB tour (tentative)	
5:00 PM				

### Fri, 22 June 2018 - 1221B Conference Room

		Chair:	C. Johnson	
9:00 AM	0:45	34 TBD	LAUNEY, Kristina	
9:45 AM	0:45	35 TBD	MINOMO, Kosho	
10:30 AM	0:20	Break		



# ELSTER, Charlotte and ROTUREAU, Jimmy

10:50 AM	1:00	36	"Workshop Summary Talk"
11:50 AM	0:10		Discussions
12:00 PM	1:30		Lunch
1:30 PM	1:00		Discussions
2:30 PM			Adjourn









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