

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

**AGENDA**

<b>Start</b>	<b>Duration</b>	<b>Agenda Item/Talk title</b>	<b>Speaker</b>
<b>Mon, 18 June 2018 - 1221 A &amp; B Conference Room</b>			
		<i>Chair: W. Nazarewicz</i>	
9:00 AM	0:45	18 "Berggren basis: Pedagogical overview"	FOSSEZ, Kevin
9:45 AM	0:45	Discussions	
10:30 AM	0:20	<i>Break</i>	
10:50 AM	0:45	19 Continuum shell model: the unified approach to nuclear structure and reactions"	PLOSZAJCZAK, Marek
11:35 AM	0:20	Discussions	
11:55 AM	0:05	Announcements	
12:00 PM	1:30	<i>Lunch</i>	Atrium
		<i>Chair: C. Brune</i>	
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	<i>Coffee Break</i>	
3:20 PM	1:40	Topical discussions (working groups)	
5:00 PM			
6:00 PM		workshop dinner - Sultans, 4790 S Hagadorn Road, East Lansing	
<b>Tuesday, 19 June 2018 - 1221 A &amp; B Conference Room</b>			
		<i>Chair: R. Navarro Perez</i>	
9:00 AM	0:45	22 "Signatures of few-body resonances in finite volume"	KOENIG, Sebastian
9:45 AM	0:45	23 "Nuclear structure and reactions in EFT"	RUPAK, Gautam
10:30 AM	0:20	<i>Break</i>	
10:50 AM	0:45	24 Connecting scattering with structure calculation through Improved Busch formula	ZHANG, Xilin
11:35 AM	0:20	Discussions	
11:55 AM	0:05	Announcements	
12:00 PM	1:30	<i>Lunch</i>	Shaw Hall
		<i>Chair: W. Dickhoff</i>	
1:30 PM	0:45	25 Solving the quantum mechanical problem, from Variational Monte Carlo to machine learning algorithms	HJORTH-JENSEN, Morten
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			



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

*Chair: A. Shirokov*

9:00 AM	0:45	26	"The dispersive optical model as an interface between ab initio calculations and experiment"	DICKHOFF, Willem
9:45 AM	0:45	27	"Nuclear reaction in a three body model: exploring the story in Q-space"	JIN, LEI
10:30 AM	0:20		<i>Break</i>	
10:50 AM	0:45	28	Connecting experimental data and the analytic S-matrix	BRUNE, Carl
11:35 AM	0:20		Discussions	
11:55 AM	0:05		Announcements	
12:00 PM	1:30		<i>Lunch</i>	
			<i>Chair: G. Rupak</i>	
1:30 PM	0:45	29	Connecting microscopic NN interactions with heavy nuclei through DFT"	NAVARRO PEREZ, Rodrigo
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				

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

*Chair: M. Ploszajczak*

9:00 AM	0:45	30	"Nuclear structure aspects of double charge exchange transitions and the double Gamow-Teller resonance"	AUERBACH, Naftali
9:45 AM	0:45	31	"Level density, underlying physics and the constant temperature model"	ZELEVINSKY, Vladimir
10:30 AM	0:20		<i>Break</i>	
10:50 AM	0:45	32	"Many-body perturbation theory calculations"	U, Baishan
11:35 AM	0:20		Discussions	
11:55 AM	0:05		Announcements	
12:00 PM	1:30		<i>Lunch</i>	Shaw Hall
			<i>Chair: F.R. Xu</i>	
1:30 PM	0:45	33	"Methods to deal with an effective pairing in the continuum: real and complex energy representations"	ID BETAN, Rodolfo
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)/FRIB tour	
5:00 PM				



**Fri, 22 June 2018 - 1221 A & B Conference Room**

*Chair: C. Johnson*

9:00 AM	0:45	34	"Lessons from the symmetry-adapted no-core shell model: collectivity, clustering, sum rules and scattering"	LAUNEY, Kristina
9:45 AM	0:45	35	"Microscopic optical potential by g-matrix folding approach and its limitations"	MINOMO, Kosho
10:30 AM	0:20		<i>Break</i>	
10:50 AM	1:00	36	"Workshop Summary Talk"	ELSTER, Charlotte and ROTUREAU, Jimmy
11:50 AM	0:10		Discussions	
12:00 PM	1:30		<i>Lunch</i>	Shaw Hall
1:30 PM	1:00		Discussions	
2:30 PM			<i>Adjourn</i>	

