As of June 7 subject to change.

### Week 1

QEC Foundations
Bosonic Code Foundations
Programming OEC Decoders

	A material	Lacution (D	Mon	Tue	Wed	Thr	Fri	Sat	Sun
Time	Activity	Location/Room	4	5	6	7	8	9	10
7:00AM - 8:55AM	Breakfast	Biddle Mansion - Winter Palace/West Terrace							
9:00AM - 10:30AM	Lecture I	New York		Meet @ 8:45AM for First Day Logistics QEC Foundations Steve Flammia, AWS	Programming QEC Decoders James Wootton, IBM Quantum	Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS	Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS	QEC Foundations Steve Flammia, AWS	
10:30AM - 11:000AM	Morning Tea Break	Atrium Lobby							
11:00AM - 12:30PM	Lecture II	New York		Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS	QEC Foundations Steve Flammia, AWS	QEC Foundations Steve Flammia, AWS	Programming QEC Decoders James Wootton, IBM Quantum	Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS	
12:30PM - 1:25PM	Lunch	Biddle Mansion - Winter Palace/West Terrace			_				
1:30PM - 2:00PM	-Q&A Sessions	Sunnyside	Students Arrive	Q&A Session QEC Foundations Steve Flammia, AWS	Q&A Session Programming QEC Decoders James Wootton, IBM Quantum	Q&A Session Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS	Q&A Session Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS	Q&A Session QEC Foundations Steve Flammia, AWS	Study/Off
2:00PM - 2:30PM		Lyndhurst		Q&A Session Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS	Q&A Session QEC Foundations Steve Flammia, AWS	Q&A Session QEC Foundations Steve Flammia, AWS	Q&A Session Programming QEC Decoders James Wootton, IBM Quantum	Q&A Session Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS	Breakfast: 7:00AM - 9:30A Lunch: 12:00PM - 1:30PM Dinner: 6:00PM - 9:00PM
2:30PM - 4:30PM	Unstructured Time	N/A							
4:30PM - 5:00PM	Open Problems,	Open Problems, Student Talks,		Unstructured Time /		Open Problems - Part I QEC Foundations Steve Flammia, AWS Crazy Ideas Session	Crazy Ideas Session IDA Rules	Open Problems - Part II Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS	
5:00PM - 5:30PM	Student Talks, Crazy Ideas 5:30PM		Office Hours with Admin Team for on-site support	n Unstructured Time	Open Problems - Part I Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS	Drew Vandeth, IBM Quantum	Open Problems - Part II QEC Foundations Steve Flammia, AWS		
5:30PM - 6:00PM	Unstructured Time	N/A			1	Unstructured Time			
6:00PM - 6:55PM		Biddle Mansion - Winter Palace/West Terrace	4th of July Front	Opening Dinner @ Mary Duke Ballroom	Dinner	Social Event:	Din	ner	_
7:00PM - 8:00PM	Guest Lectures/Socia Time		4th of July Event @ West Terrace	Keynote Speaker, Daniel Gottesman, UMD Mary Duke Ballroom	Guest Lecture Natalie Brown, Quantinuum	Women in Quantum Social  @ Carriage Room	Guest Lecture Liang Jiang, The University of Chicago	Unstructured Time	
8:00PM - 9:00PM	Social	Atrium Lobby		Speaker Social	Speaker Social		Speaker Social		

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#### Week 2

Fault Tolerance - Logistical Gates Experimental QEC - Bosonic Codes Programming OEC Decoders

					Experimental QEC - Bosonic Cor Programming QEC Decoders				
Time	Activity	Location/Room	Mon 11	Tue 12	Wed 13	Thr 14	<b>Fri</b> 15	Sat 16	Sun 17
7:00AM - 8:55AM	Breakfast	Winter Palace/West Terrace			Breakfast				
9:00AM - 10:30AM	Lecture I	New York	Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum	Programming QEC Decoders James Wootton, IBM Quantum	Experimental QEC - Bosonic Codes Alec Eickbusch & Volodymyr Sivak, Yale University	Experimental QEC - Bosonic Codes Alec Eickbusch, Yale University Volodymyr Sivak, Yale University	Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum		
10:30AM - 11:000AM	Morning Tea Break	Atrium Lobby			Morning Tea Break				
11:00AM - 12:30PM		New York	Experimental QEC - Bosonic Codes Michel Devoret, Alec Eickbusch, & Volodymyr Sivak, Yale University	Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum	Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum	Programming QEC Decoders James Wootton, IBM Quantum	Experimental QEC - Bosonic Codes Alec Eickbusch & Volodymyr Sivak, Yale University		
12:30PM - 1:25PM	Lunch	Winter Palace/West Terrace			Lunch				
1:30PM - 2:00PM	1	Sunnyside	Q&A Session Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum	Q&A Session Programming QEC Decoders James Wootton, IBM Quantum	Q&A Session Experimental QEC - Bosonic Codes Alec Eickbusch & Volodymyr Sivak, Yale University		Q&A Session Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum		Study/Off Breakfast: 7:00AM - 9:30AM Lunch: 12:00PM - 1:30PM Dinner: 6:00PM - 9:00PM
2:00PM - 2:30PM	-Q&A Sessions	Lyndhurst	Q&A Session Experimental QEC - Bosonic Codes Michel Devoret, Alec Eickbusch, & Volodymyr Sivak, Yale	Q&A Session Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiOuantum	Q&A Session Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum	Social Event: IBM Yorktown Lab Visit	Q&A Session Experimental QEC - Bosonic Codes Breakfa	Hudson River Cruise @ 1:30PM  Breakfast: 7:00AM - 9:30AM Lunch & Dinner: TBA	
2:30PM - 4:30PM	Unstructured Time	N/A	Voidayinyi divany rate	Unstructured Time	Samet Ettilotti, i olquantam		Unstructured Time  Open Problems - Part II  Fault Tolerance - Logical  Gates  Ben Brown,  IBM Quantum  Daniel Litinski, PsiQuantum		
4:30PM - 5:00PM					Open Problems - Part I Experimental QEC - Bosonic Codes Alec Eickbusch & Volodymyr Sivak, Yale University				
5:00PM - 5:30PM	Student Talks, Crazy Ideas	New York	Student Talks	Student Talks	Open Problems - Part I Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski. PsiQuantum	Unstructured Time	Open Problems - Part II Experimental QEC - Bosonic Codes Alec Eickbusch & Volodymyr Sivak, Yale University		
5:30PM - 6:00PM	Unstructured Time	N/A			Unstructured Time				
6:00PM - 6:55PM		Winter Palace/West Terrace			Dinner				
7:00PM - 8:00PM	Guest Lectures/Social Time	New York	Guest Lecture Chen Wang, UMass Amherst	Unstructured Time	Guest Lecture TBD	Unstructured Time	Guest Lecture Guanyu Zhu, IBM Quantum		
8:00PM - 9:00PM		Atrium Lobby	Speaker Social		Speaker Social	1	Speaker Social		

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### Week 3

QEC Decoding
Experimental QEC - Trapped Ions
Programming OEC Simulations

Experimental QEC - Trapped Ions Programming QEC Simulations											
Time Activity	Location/Room	<b>Mon</b> 18	<b>Tue</b> 19	<b>Wed</b> 20	Thr 21	<b>Fri</b> 22	<b>Sat</b> 23	Sun			
7:00AM - 8:55AM Breakfast	Winter Palace/West Terrace	18	19	Breakfast	21	22	23 24				
9:00AM - 10:30AM Lecture I	New York	QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS	Programming QEC Simulations Andrew Cross, IBM Quantum	Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum	Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum	QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS					
10:30AM - 11:000AM Break	Atrium Lobby			Morning Tea Break	Morning Tea Break						
11:00AM - 12:30PM Lecture II	New York	Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum	QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS	QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS	Programming QEC Simulations Andrew Cross, IBM Quantum	Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum					
12:30PM - 1:25PM Lunch	Winter Palace/West Terrace			Lunch							
1:30PM - 2:00PM	Sunnyside	Q&A Session QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS	Q&A Session Programming QEC Simulations Andrew Cross, IBM Quantum	Q&A Session Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum	Q&A Session Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum	Q&A Session QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS					
Q&A Sessions 2:00PM - 2:30PM	Lyndhurst	Q&A Session Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum	Q&A Session QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS	Q&A Session QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS	Q&A Session Programming QEC Simulations Andrew Cross, IBM Quantum	Q&A Session Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum	Social Event TBA  Breakfast: 7:00AM - 9:30AM Lunch & Dinner: TBA	Study/Off  Breakfast: 7:00AM - 9:30AM  Lunch: 12:00PM - 1:30PM  Dinner: 6:00PM - 9:00PM			
2:30PM - 4:30PM Time	N/A			Unstructured Time							
4:30PM - 5:00PM Open Problems,	New York	Student Talks	Student Talks	Open Problems - Part I Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum	- Crazy Ideas Session	Open Problems - Part II QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS					
Student Talks, Crazy Ideas 5:00PM - 5:30PM		Stagent rang	Steeshi Mind	Open Problems - Part I QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS	5.42, 1000 500001	Open Problems - Part II Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum					
5:30PM - 6:00PM Time	N/A			Unstructured Time							
6:00PM - 6:55PM Dinner	Winter Palace/West Terrace		Dinner		Social Event: Diversity Panel @ Mary Duke Ballroom	Dinner					
Guest 7:00PM - 8:00PM Lectures/Social Time	New York	Guest Lecture Aleksander Kubica, AWS	Unstructured Time	Guest Lecture Michael Vasmer Perimeter Institute	Dinner	Guest Lecture Leo DiCarlo QuTech					
8:00PM - 9:00PM Social	Atrium Lobby	Speaker Social		Speaker Social	Unstructured Time	Speaker Social					

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#### Week 4

### LDPC Codes

			Ехр	DPC Codes perimental QEC - Superconducting Programming QEC Simulation				
Time Activity	Location/Room	Mon	Tue	Wed	Thr	Fri	Sat	Sun
Time Activity	-	25	26	27	28	29	30	31
7:00AM - 8:55AM Breakfast	Winter Palace/West Terrace	Breakfast						
9:00AM - 10:30AM Lecture I	New York	LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft	Programming QEC Simulations Andrew Cross, IBM Quantum	Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich	Experimental QEC - Superconducting Qubits Maika Takita, IBM Quantum Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich	LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft		
10:30AM - 11:000AM Break	Atrium Lobby			Morning Tea Break				
11:00AM - 12:30PM Lecture II	New York	Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich	LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft	LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft	Programming QEC Simulations Andrew Cross, IBM Quantum	Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich		
12:30PM - 1:25PM Lunch	Winter Palace/West Terrace		Lunch	Lunch				
1:30PM - 2:00PM 	Sunnyside	Q&A Session LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft	Q&A Session Programming QEC Simulations Andrew Cross, IBM Quantum	Q&A Session Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich	Social Event: IBM Research BBQ at	Q&A Session LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft	Social Event TBA  Breakfast: 7:00AM - 9:30AM Lunch & Dinner: TBA	Students Depart  Breakfast: 7:00AM - 9:30AM
2:00PM - 2:30PM	Lyndhurst	Q&A Session Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich	Q&A Session LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft	Q&A Session LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft	Yorktown Date TBC	Q&A Session Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich		
2:30PM - 4:30PM Unstructured Time	N/A		Unstructured Time			Unstructured Time		
4:30PM - 5:00PM Open Problems,	New York	Student Talks	Student Talks	Open Problems - Part I Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich	- Crazy Ideas Session	Open Problems - Part II LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft		
Student Talks, Crazy Ideas 5:00PM - 5:30PM				Open Problems - Part I LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft	Crazy fueds Jession	Open Problems - Part II Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich		
5:30PM - 6:00PM Unstructured Time	N/A		1	Unstructured Time				
6:00PM - 6:55PM Dinner	Winter Palace/West Terrace			Dinner			Closing Dinner @ Mary Duke Ballroom	
Guest 7:00PM - 8:00PM Lectures/Social Time	New York	Guest Lecture Anirudh Krishna, Stanford University	Unstructured Time	Guest Lecture, Ted Yoder, IBM Quantum	Unstructured Time	Social Event TBA	Keynote Speaker Sergey Bravyi IBM Quantum	
8:00PM - 9:00PM Social	Atrium Lobby	Speaker Social		Speaker Social			Speaker Social	 