As of June 7 subject to change.

Week 1

QEC Foundations

					Bosonic Code Foundations Programming QEC Decoders	i					
Time	Activity	Location/Roo	Mon	Tue	Wed 6	Thr 7	Fri 8	Sat 9	Sun		
7:00AM - 8:55AM	Breakfast	m Biddle Mansion - Winter Palace/West Terrace	4	5	10						
9:00AM - 10:30AM	Lecture I	New York		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	Students Arrive	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	-O&A Sessions	Sunnyside		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 Breakfast: 7:00AM - 9:30AM Lunch: 12:00PM - 1:30PM Dinner: 6:00PM - 9:00PM		
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			
2:30PM - 4:30PM	Unstructured Time	N/A			1	Unstructured Time					
4:30PM - 5:00PM	Open Problems,	Nov. Vort				Hashnah wad Tiran	Unstructured Time	Open Problems - Part I QEC Foundations Steve Flammia, AWS	Crazy Ideas Session IDA Rules	Open Problems - Part II Bosonic Code Foundations Shruti Puri, Yale University	
5:00PM - 5:30PM	Student Talks, Crazy Ideas	s, New York	New York		Unstructured Time	Unstructured Time	Open Problems - Part I Bosonic Code Foundations Shruti Puri, Yale University	Drew Vandeth, IBM Quantum	Open Problems - Part II QEC Foundations Steve Flammia, AWS		
5:30PM - 6:00PM	Unstructured Time	N/A				Unstructured Time					
6:00PM - 6:55PM		Biddle Mansion - Winter Palace/West Terrace	4th of July Event	Opening Dinner @ Mary Duke Ballroom	Dinner	Social Event: Women in Quantum Social	Din Guest Lecture Liang Jiang, The University of Chicago	ner			
7:00PM - 8:00PM	Guest Lectures/Social Time	New York	@ West Terrace	Keynote Speaker, Daniel Gottesman, UMD Mary Duke Ballroom	Guest Lecture Natalie Brown, Quantinuum	@ Carriage Room		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 Co Programming QEC Decoders	S			
Time	Activity	Location/Roo	Mon	Tue	Wed	Thr	Fri	Sat 16	Sun 17
7:00AM - 8:55AM	7:00AM - 8:55AM Breakfast							10	17
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 & Vladimir Sivak, Yale University	Experimental QEC - Bosonic Codes Alec Eickbusch, Yale University Vladimir 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		I	-	1
11:00AM - 12:30PM	Lecture II	New York	Experimental QEC - Bosonic Codes Michel Devoret, Alec Eickbusch, & Vladimir 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 & Vladimir Sivak, Yale University		
12:30PM - 1:25PM	Lunch	Winter Palace/West Terrace							
1:30PM - 2:00PM		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 & Vladimir Sivak, Yale University		Q&A Session Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum	— Hudson River Cruise	
2:00PM - 2:30PM	Q&A Sessions	Lyndhurst	Q&A Session Experimental QEC - Bosonic Codes Michel Devoret, Alec Eickbusch, & Vladimir Sivak, Yale University	Q&A Session Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum	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 Alec Eickbusch & Vladimir Sivak, Yale University	@ 1:30PM 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	Unstructured Time	N/A	Unstructured Time Unstructured Time						
4:30PM - 5:00PM		New York	Student Talks	Student Talks	Open Problems - Part I Experimental QEC - Bosonic Codes Alec Eickbusch & Vladimir Sivak, Yale University	Unstructured Time	Open Problems - Part II Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum		
5:00PM - 5:30PM	Student Talks, Crazy Ideas	New York	Stockilado	Stock rails	Open Problems - Part I Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum		Open Problems - Part II Experimental QEC - Bosonic Codes Alec Eickbusch & Vladimir Sivak, Yale University		
5:30PM - 6:00PM	Unstructured Time	N/A			_				
6:00PM - 6:55PM		Winter Palace/West Terrace							
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	00PM Social	Atrium Lobby	Speaker Social		Speaker Social		Speaker Social		

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Week 3

QEC Decoding
Experimental QEC - Trapped Ions
Programming QEC Simulations

Experimental QEC - Trapped Ions Programming QEC Simulations											
Time	Activity	Location/Roo	Mon	Tue	Wed	Thr	Fri	Sat	Sun		
7:00AM - 8:55AM		Winter Palace/West Terrace	18	19	20 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	Morning Tea Break	Atrium Lobby			Morning Tea Break		1				
11:00AM - 12:30PM		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	004 Saariana	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				
2:00PM - 2:30PM	Q&A Sessions	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	Unstructured 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				
5:00PM - 5:30PM	Student Talks, Crazy Ideas	ient laiks,	Student rains Student laiks	Student rains	Open Problems - Part I QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS	Clazy Ideas Session	Open Problems - Part II Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum				
5:30PM - 6:00PM	Unstructured Time	N/A			Unstructured Time						
6:00PM - 6:55PM		Winter Palace/West Terrace		Dinner		Social Event: Diversity Panel @ Mary Duke Ballroom	Dinner				
7:00PM - 8:00PM	Guest 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

				LX	perimental QEC - Superconductin Programming QEC Simulation				
Time	Activity	Location/Roo	Mon	Tue	Wed 27	Thr	Fri	Sat	Sun
7:00AM - 8:55AM	•	m Winter Palace/West Terrace	25	26	28	29	30	31	
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	Morning Tea 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		Students Depart Breakfast: 7:00AM - 9:30AM
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 Yorktown Date TBC	Q&A Session LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft		
2:00PM - 2:30PM	-Q&A Sessions	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		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,	t Talks, New York S	Student Talks S	ılks 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		
5:00PM - 5:30PM	Student Talks, Crazy Ideas			Judent raiks	Open Problems - Part I LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft		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							
6:00PM - 6:55PM		Winter Palace/West Terrace	Dinner					Closing Dinner @ Mary Duke Ballroom	
7:00PM - 8:00PM	Guest 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		Atrium Lobby	Speaker Social		Speaker Social	1		Speaker Social	