

AGENDA FOR 2018-THEORY WINTER SCHOOL
 JANUARARY 8-12, 2018
 TALLAHASSEE, FLORIDA

MONDAY, JANUARY 8TH, 2018	
07:00am-07:45am	BREAKFAST AT WYNDHAM GARDEN TALLAHASSEE CAPITAL
07:45am	SHUTTLE TO THE LAB
08:30	ONSITE REGISTRATION
08:45am-09:00am	Gregory Boebinger and Laura Greene: Welcoming address
09:00am-10:15am	Haldane, Duncan Bipartite Entanglement, Topological Order and the Entanglement spectrum I
10:15am-10:45am	COFFEE BREAK
10:45am-12:00pm	Girvin, Steven Entanglement Entropy, Maxwell's Demon and Quantum Error Correction
12:30pm-01:30pm	LUNCH
01:30pm-02:45pm	Huse, David Thermalization and entanglement dynamics
02:45pm-03:15pm	COFFEE BREAK
03:15pm-04:30pm	Headrick, Matthew Introduction to entanglement in field theory and holography I
04:30pm-05:45pm	Islam, Rajibul Quantum simulation with trapped ions I
06:00pm-07:00pm	DINNER
TUESDAY, JANUARY 9TH, 2018	
07:00am-07:45am	BREAKFAST AT WYNDHAM GARDEN TALLAHASSEE CAPITAL
07:45am	SHUTTLE TO THE LAB
08:30am-10:00am	Haldane, Duncan Bipartite Entanglement, Topological Order and the Entanglement spectrum II
10:00am-10:30am	COFFEE BREAK

10:30am-12:00pm	Huse, David Many-body localization
12:00pm-01:30pm	LUNCH
01:30pm-02:45pm	Headrick, Matthew Introduction to entanglement in field theory and holography
02:45pm-03:15pm	COFFEE BREAK
03:15pm-04:30pm	Del Maestro, Adrian Monte Carlo Methods for Quantum Liquids and Gases
04:30pm-05:45pm	Melko, Roger Renyi entropies in theory, numerics, and experiment
06:00pm-07:00pm	DINNER
WEDNESDAY, JANUARY 10TH, 2018	
07:00am-07:45am	BREAKFAST AT WYNDHAM GARDEN TALLAHASSEE CAPITAL
07:45am	SHUTTLE TO THE LAB
08:30am-10:00am	Islam, Rajibul Quantum simulation with trapped ions II
10:00am-10:30am	COFFEE BREAK
10:30pm-12:00pm	Klich, Israel Motzkin spin chains, rainbows and exact holographic tensor networks
12:00pm-01:00pm	LUNCH
01:00pm-03:00pm	EXCURSION (WAKULLA SPRING STATE PARK)
	DINNER ON OWN
THURSDAY, JANUARY 11TH, 2018	
07:00am-07:45am	BREAKFAST AT WYNDHAM GARDEN TALLAHASSEE CAPITAL
07:45am	SHUTTLE TO THE LAB
08:30am-10:00am	Sachdev, Subir The SYK models

10:00am-10:30am	COFFEE BREAK
10:30am-12:00pm	Girvin, Steven Quantum Error Correction for Bosonic Modes
12:00pm-01:30pm	LUNCH
01:30pm-02:45pm	Del Maestro, Adrian Entanglement in Quantum Liquids and Gases
02:45pm-03:15pm	COFFEE BREAK
03:15pm-04:30pm	Ryu, Shinsei Quantum entanglement in conformal and topological quantum field theories I
04:30pm-05:45pm	Feiguin, Adrian The density matrix renormalization group and matrix product states
06:00pm-07:00pm	DINNER
FRIDAY, JANUARY 12TH, 2018	
07:00am-08:00am	BREAKFAST AT WYNDHAM GARDEN TALLAHASSEE CAPITAL
08:15am	SHUTTLE TO THE LAB
08:30am-10:00am	Ryu, Shinsei Quantum entanglement in conformal and topological quantum field theories II
10:00am-10:30am	COFFEE BREAK
10:30am-12:00pm	Feiguin, Adrian The time-dependent DMRG and applications
12:00pm-01:30pm	LUNCH
01:30pm-02:45pm	Sachdev, Subir Transport in non-Fermi liquids
02:45pm-03:00pm	Organizers Closing Remarks
03:00pm-03:30pm	COFFEE BREAK