Strongly Interacting Conformal Field Theory in Condensed Matter Physics Program

6.25		
Opening and Chair: Zheng-Yu Weng (Tsinghua)		
9:30-10:30 a.m.	Subir Sachdev (Harvard University)	
	Equilibrium and Non-equilibrium Dynamics of Sachdev-Ye-Kitaev	
	Models	
10:30-11:00 a.m.	Break	
11:00-12:00p.m.	Chaoming Jian (UCSB)	
	Instabilities of the Non-Fermi Liquid States in the Sachdev-Ye-	
	Kitaev Model and its Generalizations	
12:00-2:00 p.m.	Lunch Break	
Chair: Hong Yao (Tsinghua)		
2:00-3:00p.m.	Ehud Altman (Berkeley)	
	Classical Geometric Interpretation for Maximal Quantum Chaos	
3:00-4:00p.m.	Shao-Kai Jian (Tsinghua)	
	Solvable SYK Models in Higher Dimensions: from Diffusion to	
	Many-body Localization	
4:00-4:30p.m.	Break	
4:30-5:30p.m.	Pengfei Zhang (Tsinghua)	
	From Generalizations of Sachdev-Ye-Kitaev Models to the Relation	
	between OTOC and Entropy	

6.26		
Chair: Hui Zhai (Tsinghua)		
9:30-10:30 a.m.	Chong Wang (Harvard)	
	A Web of Dualities in Condensed Matter Physics: from Quantum	
	Hall Effect to Exotic Quantum Criticality	
10:30-11:00 a.m.	Break	
11:00-12:00p.m.	Yi-Zhuang You (Harvard)	
_	Topological Phase Transitions: From Duality Web to Symmetric	
	Mass Generation	
12:00-2:00 p.m.	Lunch Break	
Chair: Cenke Xu (UCSB)		
2:00-3:00p.m.	Sri Raghu (Stanford)	
	Exact Boson-Fermion Duality on a 3D Euclidean Lattice	
3:00-4:00p.m.	Shamit Kachru (Stanford)	
	Mirror Duality and Bosonization	
4:00-4:30p.m.	Break	
4:30-5:30 p.m.	Yong-Shi Wu (Utah)	
	Network Gauge Theories and Topological Phases	

6.27		
Chair: Chaoming Jian (UCSB)		
9:30-10:30 a.m.	Herman Verlinde (Princeton)	
	Solving the Schwarzian with the Conformal Bootstrap	
10:30-11:00 a.m.	Break	
11:00-12:00p.m.	Xiao-Liang Qi (Stanford)	
	Diffusion, Chaos and Quantum Entanglement in Generalized	
	Sachdev-Ye-Kitaev Models	
12:00-2:00 p.m.	Lunch Break	
Chair and Discussion Leader: Xiaoliang Qi (Stanford)		
2:00-3:00p.m.	Jan Zaanen (Leiden)	
	String Theorists Need Eddington	
3:00-4:00p.m.	Dmitry Bagrets (Cologne)	
	Sachdev-Ye-Kitaev Model as a Liouville Quantum Mechanics	
4:00-4:30p.m.	Break	
4:30-5:30p.m.	Discussion Session	