Schedule： 07. 11. 2018 **Lecture Room：** Physics Building 5004

08:30 – 10:30	**Topic: Semiclassical Approach**		**Chair: Liang Huang**
Time	**Speaker**	**From**	**Lecture title**
08:30–09:00	Yan Gu (顾雁)	University of Science and Technology of China, Hefei	Quantum Characteristic Function and Master Equations of Quantum Brownian Motion
09:00–09:30	Quanhui Liu （刘全慧）	Hunan University, Changsha	Geometric momentum: motivation, theory and experiment
09:30–10:00	Guangshen Yang (杨光参)	Wenzhou University	Formalism of path integrals in momentum space and in mixed spaces
10:00 – 10:30 Coffee Break			
10:30 – 11:30	**Topic: Random Matrix Theory**		**Chair: Barbara Dietz**
10:30–11:00	Martin Sieber	University of Bristol, UK	Discrete symmetries in the ten-fold way and random matrix ensembles
11:00–11:30	Santosh Kumar	Shiv Nadar University, India	Exact distribution of spacing ratios for random and localized states in quantum chaotic systems
11:30-13:00 Lunch Break			
14:30 – 15:00	**Topic: Thermalization**		**Chair: Sergej Flach**
14:30–15:00	Haitao Quan (全海涛)	Peking University	Correspondence principle of work distribution in Bose-Hubbard model
15:00–15:30	Fabricio Toscano	The Federal University of Rio de Janeiro, Brazil	Random models to characterize the work statistics of quenches in quantum complex systems
15:30 – 16:00 Coffee Break			
16:00 – 17:30	**Topic: Thermalization**		**Chair: Jiao Wang**
16:00–16:30	Biao Wu (吴飙)	Peking University	Quantum ergodicity and mixing
16:30–17:00	Rodolfo Jalabert	University of Strasbourg, France	Semiclassical theory for out-of-time-order correlators
17:00–17:30	Xinhua Peng (彭新华)	University of Science and Technology of China, Hefei	Out-of-time-order correlation and its experimental measurement
17: 30-19:00 Dinner			

Schedule： 07. 12. 2018 **Lecture Room：** Physics Building 5004

08:30 – 10:30	**Topic: Quantum Scattering**		**Chair: Thomas Guhr**
Time	**Speaker**	**From**	**Lecture title**
08:30–09:00	Celso Grebogi	University of Aberdeen, UK	Quantum control
09:00–09:30	Dmitry Savin	Brunel University London, UK	Fading in resonance transmission through a complex environment
09:30–10:00	Leszek Sirko	Institute of Physics, Polish Academy of Sciences, Poland	Level missing statistics and power spectrum analysis of microwave networks and three-dimensional chaotic microwave cavities
10:00 – 10:30 Coffee Break			
10:30 – 11:30	**Topic: Kicked Rotor Revisited**		**Chair: Rodolfo Jalabert**
10:30–11:00	Chushun Tian (田矗舜)	Institute of Theoretical Physics, CAS, Beijing	Chaos-induced spin topological structure in kicked rotor
11:00–11:30	Jiao Wang (王矫)	Xiamen University	Super ballistic wave packet spreading in double kicked rotors
11:30-13:00 Lunch Break			
14:30 – 15:00	**Topic: Many-Body Systems**		**Chair: Leszek Sirko**
14:30–15:00	Sergej Flach	Center for Theoretical Physics of Complex Systems, South Korea	Dynamical glass
15:00–15:30	Thomas Guhr	University of Duisburg-Essen, Germany	Many-body chaos: new approach to collective and single-particle motion in interacting systems
15:30 – 16:00 Coffee Break			
16:00 – 17:30	**Topic: Many-Body Systems**		**Chair: Biao Wu**
16:00–16:30	Quirin Hummel	University of Regensburg, Germany	Semiclassics for strongly correlated bosonic many-body systems - a double-tracked approach
16:30–17:00	Boris Gutkin	Holon institute of Technology, Holon, lsrael	Quantum chaos within many-body integrable systems
17:00–17:30	Xingang Wang (王新刚)	Shannxi Normal University, Xi'an	Measure synchronization in an ensemble of coupled quantum systems
17: 30-19:00 Dinner			

Schedule： 07. 13. 2018 **Lecture Room：** Physics Building 5004

08:30 – 10:30	**Topic: Wavefunction Statistics**		**Chair: Ulrich Kuhl**
Time	**Speaker**	**From**	**Lecture title**
08:30–09:00	Eugene Bogomolny	Université Paris Sud, France	Eigenvector distribution in certain random matrix ensembles
09:00–09:30	Wenge Wang (王文阁)	University of Science and Technology of China, Hefei	Internal temperature of quantum chaotic systems at the nanoscale: detected by a qubit-probe
09:30–10:00	Jiaozi Wang (王骄子)	University of Science and Technology of China, Hefei	Study of statistical properties of eigenfunctions in chaotic quantum systems
10:00 – 10:30 Coffee Break			
10:30 – 11:30	**Topic: Wavefunction Statistics**		**Chair: Wenge Wang**
10:30–11:00	Domenico Lippolis	Jiangsu University	The local density of states in scarred systems with dissipation
11:00–11:30	Kelvin Ruben Titimbo	Institute of Theoretical Physics, CAS, Beijing	Theoretical study of the effect of a transverse magnetic field in photo detachment microscopy
11:30-13:00 Lunch Break			
14:30 – 15:00	**Topic: Relativistic Quantum Chaos**		**Chair: Celso Grebogi**
14:30–15:00	Ying-Cheng Lai	Arizona State University, USA	Chaos in Dirac electron optics: emergence of a relativistic quantum chimera
15:00–15:30	Alexei Andreanov	Center for Theoretical Physics of Complex Systems, South Korea	Flat bands and where to find them
15:30 – 16:00 Coffee Break			
16:00 – 17:30	**Topic: Relativistic Quantum Chaos**		**Chair: Ying-Cheng Lai**
16:00–16:30	Ulrich Kuhl	University Nice Sophia Antipolis, France	Investigating topological structures by microwave experiments with coupled dielectric resonators
16:30–17:00	Barbara Dietz	Lanzhou University, Lanzhou	Quantum billiards, graphene billiards and neutrino billiards
17:00–17:30	Liang Huang （黄亮）	Lanzhou University, Lanzhou	Relativistic quantum chaos
17: 30-19:00 Dinner			