Day 1: Dec. 6			
Time	Speaker	Talk Title	
Chair : C	Chair : Guang-Yu Guo (National Taiwan U Center for Theoretical Physics )		
09:30 ~ 09:35	Shiuh-Tzung Liu (Dean, College of Sciences, National Taiwan U.) Mei-Yin Chou (Vice President, Academia Sinica) Yuan-Huei Chang (Chair, Physics Dept., National Taiwan U.) Shih-I Chu (Former Director, National Taiwan U.— Center for Theoretical Sciences) Shin-Nan Yang (Former Director, National Taiwan U.— Center for Theoretical Sciences) Jiunn-Wei Chen (Former Director, National Taiwan U.— Center for Theoretical Sciences) Guang-Yu Guo (Director, National Taiwan U.— Center for Theoretical Physics)	National Taiwan U. – Center for Theoretical Physics Grand Opening (揭牌)	
09:35 ~ 10:00	Shiuh-Tzung Liu (Dean, College of Sciences, National Taiwan U.) Mei-Yin Chou (Vice President, Academia Sinica) Shin-Nan Yang (Former Director, National Taiwan U.– Center for Theoretical Sciences)	Inaugural Ceremony and Opening Section	
10:00 ~	Xi Dai (Hong Kong U. of Science and	Zeeman Effect in Topological Materials: from First Principle	
10:45	Technology)	Calculation to Spin Zero Effect in Quantum Oscillation	
Break ( Put on Posters)			
Chair : Di-Lun Yang ( RIKEN Nishina Center; Yukawa Institute for Theoretical Physics, Kyoto U.)			
11:15 ~ 12:00	Jin-Feng Liao (Indiana U.)	Novel Quantum Phenomena in the Subatomic Swirls	
12.00	Masatoshi Sato (Yukawa Institute for Theoretical Physics, Kyoto U.)	Quantum Response of Majorana Fermions in Topological Crystalline Superconductors	
Lunch			

Chair: Ming-Che Chang (National Taiwan Normal U.)		
14:00 ~ 14:30	Shun-Qing Shen (U. of Hong Kong)	Magnetotransport Properties in Three-Dimensional Dirac Materials
14:30 ~ 15:00	Ching-Kai Chiu ( Kavli Institute for Theoretical Sciences, U. of Chinese Academy of Sciences )	Realization of the Topological Phases Protected by Chiral Symmetry
15:00 ~ 15:30	Tay-Rong Chang (National Cheng Kung U.)	Topological Crystalline Insulator: from Symmetry Indicators to Material Discovery.
15:30 ~ 16:00	Shin-Ming Huang (National Sun Yet-Sen U.)	Two Types of Weyl Fermion Creation
Break		
Chair : Koichi Hattori (Fudan U.)		
16:30 ~ 17:00	Haruki Watanabe (U. of Tokyo)	Interplay between Symmetry and Topology in Many-Body Systems
17:00 ~ 17:30	Feng-Li Lin (National Taiwan Normal U.)	Decoherence Patterns of Topological Qubits
17:30 ~	Reception and Poster Session	

	Day 2: Dec. 7		
Time	Speaker	Talk Title	
Chair: Chang-Tse Hsieh (Kavli Institute for the Physics and Mathematics of the Universe; Institute for Solid State Physics, U. of Tokyo)			
09:00 ~ 09:45	Shinsei Ryu (U. of Chicago)	Time Reversal Anomalies in SPT Phases	
09:45 ~ 10:30	Igor Shovkovy (Arizona State U.)	Chiral Plasmas: from Cosmology to Technology	
	Break		
Chair:	Chair: Aron Beekman (Keio U.)		
11:00 ~ 11:30	Mei-Yin Chou (Academia Sinica)	Topological Properties of Gapped Graphene Nanoribbons with Spatial Symmetries	
11:30 ~ 12:00	Ming-Che Chang (National Taiwan Normal U.)	Chiral Magnetic Effect in Two-Band Lattice Model of Weyl Semimetal	
12:00 ~ 12:30	Chang-Tse Hsieh (Kavli Institute for the Physics and Mathematics of the Universe; Institute for Solid State Physics, U. of Tokyo)	Anomaly Matching and Symmetry-Protected Criticality in 1d Quantum Many-body Systems	

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	Lunch		
Chair : Masatoshi Sato (Yukawa Institute for Theoretical Physics, Kyoto U.)			
14:00 ~ 14:30	Naoto Nagaosa (RIKEN/U. of Tokyo)	Nonreciprocal Phenomena in Chiral Materials	
14:30 ~ 15:00	Aron Beekman (Keio U.)	Dislocation-Mediated Quantum Melting	
15:00 ~	~ Akira Furusaki (RIKEN)	Reduction of the Classification of Free-Fermion Topological	
15:30		Phases by Interactions	
Break			
Chair : Jiunn-Wei Chen (National Taiwan U.)			
16:00 ~ 16:30	Qun Wang (U. of Science & Technology of China)	Wigner Function of Chiral Fermions	
16:30 ~ 17:00	Di-Lun Yang (RIKEN Nishina Center; Yukawa Institute for Theoretical Physics, Kyoto U.)	Chiral Kinetic Theory and Quantum Transport of Chiral Fluids	
17:00 ~ 17:30	Koichi Hattori (Fudan Univ.)	Magnetohydrodynamics with Chiral Anomaly	
17:30 ~ 18:00	Yuji Hirono (Asia Pacific Center for Theoretical Physics / Brookhaven National Laboratory)	Chiral Fluids with Dynamical Electromagnetism	
18:00 ~	Workshop dinner		

Day 3: Dec. 8		
Time	Speaker	Talk Title
Chair: Tetsuo Hatsuda (RIKEN Interdisciplinary Theoretical and Mathematical Sciences)		
09:00 ~ 09:45	Naoki Yamamoto (Keio U.)	Chiral Matter and Topology in Astrophysics
09:45 ~ 10:30	Tomoki Ozawa (RIKEN Interdisciplinary Theoretical and Mathematical Sciences)	Topology and Chiral Physics in Atomic, Molecular, and Optical Systems
Break		
Chair: Yuji Hirono (Asia Pacific Center for Theoretical Physics / Brookhaven National Laboratory)		
11:00 ~ 11:30	Yoshimasa Hidaka (RIKEN)	Particle Productions from Chiral Matter
11:30 ~ 12:00	Arata Yamamoto (U. of Tokyo)	Non-Abelian Vortex in Lattice Gauge Theory

12:00 ~ 12:30	Masaru Hongo (RIKEN)	Anomaly-Induced Transport Phenomena in Local Thermal Equilibrium.	
	Lunch		
Chair : A	Chair : Akira Furusaki (RIKEN)		
14:00 ~ 14:30	Masaki Oshikawa (Institute for Solid State Physics, U. of Tokyo)	(TBA)	
14:30 ~ 15:00	Sungkit Yip (Academia Sinica)	Chiral Anomaly via Quasiclassical Kinetic Equation	
15:00 ~ 15:30	Chung Hou Chung (National Chiao Tung U.)	Chiral and Helical Majorana Fermions in Non-Centrosymmetric Superconductors on Honeycomb Lattice	
Break			
Chair : F	Isiang-Nan Li (Academia Sinica)		
16:00 ~ 16:05	Pei-Ming Ho, Yu-Tin Huang ( National Taiwan U. )	Golden-Jade Fellow Award Ceremony	
16:05 ~ 16:30	Yu-Tin Huang (National Taiwan U.)	Hidden and Useful Topological Features of the Ising Network	
16:30 ~ 17:00	Seiji Sugawa (Kyoto U.)	Chern Number from Quantum-Simulated Monopoles	
17:00 ~ 17:30	Guang-Yu Guo (National Taiwan U.)	Tuning Topological Phase Transitions in Hexagonal Photonic Lattices Made of Triangular Rods	
17:30 ~ 18:00	Tetsuo Hatsuda (RIKEN Interdisciplinary Theoretical and Mathematical Sciences)	Workshop Summary	
Closing			
Day 4: Dec. 9			
Excursion (Self Organized)			

Posters	
Size: 1K (30" ×42" or 76cm ×106cm, 全開)	
Submitting author (affiliation)	Title
(1) Peng-Jen Chen (Institute of Physics, Academia	Anomalous Z2 Antiferromagnetic Topological Phase in Pressurized
Sinica)	SmB6
(2) Chih-Yu Chen (National Taiwan U.)	Effective Lagrangian for Axial Anomaly and Its Applications in
(2) Chini-Tu Chen (Ivanonai Taiwan C.)	Dirac and Weyl Semimetals
(3) Syu-You Guan (Institute of Physics, Academia	Termination-dependent Superconducting Topological Surface States
Sinica)	in Non-Centrosymmetric PbTaSe2
(4) Heih Chia Heigh (Providence II)	Algorithm to Convergence and Chiral Matter: Temperature and
(4) Hsih-Chia Hsieh (Providence U.)	Time
(5) —Canceled—	—Canceled—
(6) Chi-Cheng Lee (Institute for Solid State Physics, U.	First-Principles Studies of Momentum Distribution of Dirac/Weyl
of Tokyo)	Fermions in Condensed Matter
(7) Kunchala Ramesh Babu (National Taiwan U. and	Electron-Phonon Coupling, Superconductivity and Nontrivial Band
National Center for Theoretical Sciences)	Topology in NbN Polytypes
(8) Hai-Xiao Wang (National Taiwan U.)	Optical Dirac Point in Woodpile Photonic Crystals