

February 5 , 2012   Sunday	
Time	Program
16:00-17:00	Registration Desk Open
17:30-21:00	Welcome Reception

February 6 , 2012 Monday	
08:00~09:00	Registration
<b>Opening Ceremony</b> Master of Ceremony: Bob Yee Hsiung	
09:00~09:35	Hiroaki Aihara, Pisin Chen, Jonathan Dorfan, Peter Gorham, Albrecht Karle, Shi-Chen Lee, Grzegorz Madejski, Remo Ruffini, Il H. Park, Kok Khoo Phua
<b>Plenary Session 1</b> Session Chair: Hoi Lai Yu	
09:35~10:10	Shing-Tung Yau (Harvard University & TIMS, NTU): "Mass and Waves in Gravity"
10:10~10:45	Pisin Chen (LeCosPA, NTU & KIPAC, Stanford University): "Where is $\hbar$ Hiding in Entropic Gravity?"
10:45~11:15	Coffee Break
<b>Plenary Session 2</b> Session Chair: Wei-Tou Ni (NTHU)	
11:15~11:50	Remo Ruffini (University of Rome "Sapienza" & ICRANet): "Black Holes and Proto Black Holes"
11:50~12:25	Bernard Carr (Queen Mary, University of London) "Black Holes and the Generalized Uncertainty Principle"
12:25~13:30	Lunch Break
<b>Plenary Session 3</b> Session Chair: W-Y. Pauchy Hwang (NTU)	
13:30~14:05	Grzegorz M. Madejski (KIPAC, Stanford University & SLAC): "Current and Future High Energy Astrophysics Programs at KIPAC: the Variable Sky as Seen in the Gamma-Ray Band by the Fermi Observatory and Plans for Future Missions"
14:05~14:40	Hiroaki Aihara (IPMU, University of Tokyo) "Cosmology and Particle Astrophysics at the IPMU"
14:40~15:15	Paul Ho (AS & Harvard-Smithsonian Center for Astrophysics): "The ALMA Project"
15:15~21:00	Excursion: Lantern Festival in Pingxi

February 7 , 2012 Tuesday	
Time	Program
<b>Plenary Session 4</b> Session Chair: Jiwoo Nam (NTU)	
09:00~09:35	Tsuneyoshi Kamae (SLAC/KIPAC, Stanford University): “Fermi-Large Area Telescope: the Accomplishments and Challenges”
09:35~10:10	Peter Gorham (University of Hawaii): “The Search for Ultra-High Energy Cosmic Neutrinos: Results and Future Prospects”
10:10~10:45	Albrecht Karle (University of Wisconsin-Madison): “Neutrino Astronomy at the South Pole with IceCube and Beyond”
10:45~11:15	Conference Photo/Coffee Break
<b>Plenary Session 5</b> Session Chair: Jiunn-Wei Chen (NTU)	
11:15~11:50	William G. Unruh (University of British Columbia): “Measurement of Hawking Radiation in Analog Horizon”
11:50~12:25	Johann Rafelski (University of Arizona): “Critical Acceleration”
12:25~13:30	Lunch Break
<b>Parallel Session A</b> Session Chair: Keisuke Izumi (NTU)	
13:30~14:05	Gumrukcuoglu Emir (IPMU, University of Tokyo): “Self-Accelerating Universe in Nonlinear Massive Gravity”
14:05~14:40	Tsz Yan Lam (IPMU, University of Tokyo): “Testing Modified Gravity with Phase-Space Distribution”
14:40~15:15	Yen-Wei Liu (LeCosPA, NTU): “Scalar Perturbations from GBIR Brane Inflation”

<b>Parallel Session B</b>		Session Chair: Taotao Qiu (NTU)
13:30~14:05	Teruaki Suyama (RESCEU, University of Tokyo): “Testing the Origin of Primordial Perturbation - Use of Bispectrum and Trispectrum”	
14:05~14:40	Tsung-Che Liu (LeCosPA, NTU): “Neutrino Flavor on Earth”	
14:40~15:15	Yuezhen Niu (Peking University): “Entanglement Entropy of the Early Universe in Generalized Chaplygin Gas Model”	
15:15~15:40	Coffee Break	
<b>Plenary Session 6</b>		Session Chair: Guey-Lin Lin (NCTU)
15:40~16:15	Jun'ichi Yokoyama (RESCEU, University of Tokyo): “Generalized G-Inflation”	
16:15~16:50	Alexander Kusenko (UCLA): “Cosmic Connections: from Cosmic Rays to Gamma Rays, to Cosmic Backgrounds”	
16:50~17:25	Wei-Tou Ni (Center for Gravitation and Cosmology, NTHU): “Foundations of Classical Electrodynamics, Equivalence Principle and Cosmic Interactions”	
17:25~18:00	Bo-Qiang Ma (Peking University): “New Perspective on Space-Time from Lorentz Violation”	
18:00~19:30	Dinner at Howard International House	
19:30~21:00	GuoGuang Peking Opera Night	

February 8 , 2012    Wednesday	
Time	Program
<b>Plenary Session 7</b> <span style="float: right;">Session Chair: Hsiang-Kung Chang (NTHU)</span>	
09:00~09:35	Shih-Chang Lee (Institute of Physics, AS): “The Status of the AMS Experiment”
09:35~10:10	Henry Wong (Institute of Physics, AS): “Low-Mass WIMP Search with Sub-keV Germanium Detector”
10:10~10:45	Kaixuan Ni (Shanghai Jiao Tong University): “PandaX: a Dark Matter Direct Detection Experiment at CJPL”
10:45~11:15	Yue-Lin Tsai (National Centre for Nuclear Research, Poland): “SUSY Dark Matter Signatures in LHC, Fermi dSphs, and IceCube”
11:15~18:00	Excursion: National Palace Museum/Taipei Confucius Temple/Dalongdong Baoan Temple/Taipei 101
18:00~21:00	Banquet at Taipei 101

February 9 , 2012 Thursday	
Time	Program
<b>Plenary Session 8</b> Session Chair: James Nester (NCU)	
09:00~09:35	Sang Pyo Kim (Kunsan National University & NTU): “Quantum Structure of de Sitter Space”
09:35~10:10	Haret Rosu (IPICyT, Mexico): “FRW Riccati Equation and Related Barotropic-like Cosmologies”
10:10~10:45	Je-An Gu (LeCosPA, NTU): “Issues in Dark Energy and Modified Gravity”
10:45~11:15	Coffee Break
<b>Plenary Session 9</b> Session Chair: Sam Pyo Kim (KNU & NTU)	
11:15~11:50	Il H. Park(Ewha University): “Ultra-Fast Flash Observatory (UFFO) for Early Photon Measurements from Gamma Ray Bursts”
11:50~12:25	Charling Tao (CPPM/IN2P3, France & THCA, Tsinghua U.): “Tsinghua Center for Astrophysics and the Dark Universe”
12:25~13:30	Lunch Break
<b>Parallel Session C</b> Session Chair: Ming-Huey Huang (NUU)	
13:30~14:05	Jiwoo Nam (LeCosPA, NTU): “The UFFO Slewing Mirror Telescope for Early Optical Observation from Gamma Ray Bursts”
14:05~14:40	Chih-Ching Chen (LeCosPA, NTU): “The Novel all Flavor Lepton Signature in Radio Neutrino Telescopes”
14:40~15:15	Chia-Yu Hu (LeCosPA, NTU): “Near-Field Effects of Cherenkov Radiation Induced by Ultra High Energy Cosmic Neutrinos”

<b>Parallel Session D</b>		Session Chair: Je-An Gu (NTU)
13:30~14:05	Antonio Enea Romano (University of Antioquia): “Corrections to the Apparent Value of the Cosmological Constant due to Local Inhomogeneities”	
14:05~14:40	Debaprasad Maity (LeCosPA, NTU): “Constraining a Model of Varying Alpha with PCP Violation”	
14:40~15:15	Lance Labun (University of Arizona): “Temperature of the Accelerated Vacuum”	
15:15~15:40	Coffee Break	
<b>Plenary Session 10</b>		Session Chair: Johann Ralfelski (U. Arizona)
15:40~16:15	Hoi Lai Yu (Institute of Physics, AS): “General Relativity without Paradigm of Space-Time Covariance: Sensible Quantum Gravity and Resolution of the ‘Problem of Time’ ”	
16:15~17:05	Gabriele Veneziano (College de France & CERN): “Space, Time, Matter: 1918 - 2012”	
17:05~17:25	Pisin Chen: Closing Remark	
17:25~18:00	Break	
18:00~21:00	Dinner at Din Tai Fung	