

COSMO 2018

Tuesday, 28 August 2018

Parallel Session: Cosmic Microwave Background - 314 (14:00 - 16:00)

-Conveners: Kohei Kamada

time	[id] title	presenter
14:00	[48] BICEP/Keck Array Program: Performance Overview and Future Plans	KANG, Jae Hwan
14:15	[49] Searching for inflationary gravitational waves with the South Pole Telescope	REICHARDT, Christian
14:30	[51] Cosmic microwave background constraints for global defects	LOPEZ-EIGUREN, Asier
14:45	[52] Axion Landscape and CMB Statistics	SYPSAS, Spyros
15:00	[53] Exploring compensated isocurvature perturbations with CMB spectral distortion anisotropies	INOMATA, Keisuke
15:15	[54] Magnetogenesis from isocurvatures with second order Boltzmann solver	CARRILHO, Pedro
15:30	[55] Reconstructing the inflationary landscape with cosmological data	PALMA, Gonzalo

Parallel Session: Dark Matter 1 - 204 (14:00 - 16:00)

-Conveners: Jong-Chul Park

time	[id] title	presenter
14:00	[33] Composite dark axions and light dark baryons	HONG, Deog Ki
14:15	[34] Anatomy of RHN-portal Dark Matter	CHUN, Eung Jin
14:30	[35] Decaying ALPino dark matter as a solution to small scale issues	KAMADA, Ayuki
14:45	[36] The Dawn of FIMP Dark Matter	TENKANEN, Tommi
15:00	[37] Early Kinetic Decoupling of DM: when the standard way of calculating the thermal relic density fails	HRYCZUK, Andrzej
15:15	[38] Dark matter with low-reheating temperature	CHOI, Ki-Young
15:30	[39] Production of Purely Gravitational Dark Matter	NAKAYAMA, Kazunori
15:45	[40] Unitarizing SIMP scenario with dark vector resonances	CHOI, Soo-Min

Parallel Session: Gravitational Wave - 306 (14:00 - 16:00)

-Conveners: Chang Sub Shin

time	[id] title	presenter
14:00	[41] SOGRO: Superconducting Tensor Gravitational Wave Detector for Mid-Frequencies	KANG, Gungwon
14:15	[42] Gravitational waves from vacuum first-order phase transitions: from the envelope to the lattice	CUTTING, Daniel
14:30	[43] Primordial Gravitational Waves induced by Gauss-Bonnet inflation	TUMURTUSHAA, Gansukh
14:45	[44] Gravitational wave forest from string axiverse	KITAJIMA, Naoya

15:00	[45] Analytic Calculation of Gravitational Wave Spectrum Induced from Primordial Curvature Perturbations	TERADA, Takahiro
15:15	[46] Back-Reaction of Gravitational Waves Revisited	TAKAHASHI, Tomo
15:30	[47] Cosmological phase transitions in the Standard Model with hidden scale invariance	LAGGER, Cyril

Parallel Session: Dark Matter 2 - 204 (16:30 - 18:30)

-Conveners: Hyun Min Lee

time	[id] title	presenter
16:30	[70] Characterizing DM properties with (non)minimal Higgs portal at future colliders	KO, Pyungwon
16:45	[71] Quantum corrections in a DM model with pseudo-scalar mediator	ABE, Tomohiro
17:00	[72] Hunting for Boosted Dark Matter	PARK, Jong-Chul
17:15	[73] Sterile neutrino DM and the status of 3.5 keV line	BOYARSKY, Alexey
17:30	[74] PeV scale supersymmetry and the IceCube neutrino events	DHURIA, Mansi
17:45	[75] Modeling evolution of dark matter substructure and annihilation boost	HIROSHIMA, Nagisa
18:00	[76] Dark Matter Direct Detection with a Spin-2 mediator	KANG, Yoo-Jin

Parallel Session: Large Scale Structure 1 - 314 (16:30 - 18:30)

-Conveners: Cristiano Sabiu

time	[id] title	presenter
16:30	[85] WFIRST High Latitude Survey and Synergies with Ground-based Surveys	HEINRICH, Chen
16:45	[86] Cosmology from cosmic shear power spectra with Subaru Hyper Suprime-Cam data	HIKAGE, Chiaki
17:00	[87] Cosmological constraints using BAO - From spectroscopic to photometric catalogues	SRIDHAR, Srivatsan
17:15	[88] Scale-dependent trispectrum and cosmological parameter constraints	ADHIKARI, Saroj
17:30	[89] Cosmology with type Ia supernova gravitational lensing	ASOREY, Jacobo
17:45	[90] Probing features in the Early Universe with the Large-Scale Structures	L'HUILLIER, Benjamin
18:00	[91] Constraints on cosmology and baryonic feedback with the Deep Lens Survey using galaxy-galaxy and galaxy-mass power spectra	YOON, Mijin

Parallel Session: Multi Messenger Astrophysics/Early Universe - 306 (16:30 - 18:30)

-Conveners: Kenji Kadota

time	[id] title	presenter
16:30	[77] Precision Measurement of Electron and Positron Fluxes In Primary Cosmic Rays with the Alpha Magnetic Spectrometer on the International Space Station.	ZHANG, Cheng
16:45	[78] EDGES, the complexity of star formation, and no constraining power on Dark Matter Models.	VALKENBURG, Wessel
17:00	[79] A Limit on Axion from the Cooling Neutron Star in Cassiopeia A	ZHENG, Jiaming

17:15	[80] The spectrum of the axion dark sector and black hole spin constraints on the number of axion-like fields.	STOTT, Matthew
17:30	[81] Axion Window and Low-Scale Inflation	YIN, Wen
17:45	[82] Machine learning for bounce calculation	JINNO, Ryusuke
18:00	[83] Topics on primordial black holes from inflation	FRANCIOLINI, Gabriele
18:15	[84] Primordial Black Holes in Matter Dominated Universe	KOHRI, Kazunori

Wednesday, 29 August 2018

Parallel Session: Dark Matter Experiment - 204 (14:00 - 16:00)

-Conveners: Moo Hyun Lee

time	[id] title	presenter
14:00	[101] Results from the 1 tonne x year Dark Matter Search with XENON1T	MASBOU, Julien
14:15	[102] WIMP-search Results from a Blinded Maximum Likelihood Analysis of CDMSlite Run 3	PAGE, William
14:30	[103] Status of the COSINE-100 experiment	ADHIKARI, Pushparaj
14:45	[104] Dark Sector Serches with Belle II	LIPTAK, Zachary
15:00	[105] FASER: ForwArd Search ExpeRiment	TROJANOWSKI, Sebastian
15:15	[106] Search for heavy dark matter with IceCube	DUJMOVIC, Hrvoje
15:30	[107] Phenomenology of dark gauge group at the LHC	PARK, Myeonghun

Parallel Session: Inflation 1 - 306 (14:00 - 16:00)

-Conveners: Ryusuke Jinno

time	[id] title	presenter
14:00	[93] Geometrical destabilization and reheating	TURZYNSKI, Krzysztof
14:15	[94] Assisted Hilltop Inflation	PARK, Wanil
14:30	[95] Floquet analysis of self-resonance in single-field inflationary models	WIECZOREK, Michal
14:45	[96] Higgs inflation at the hilltop	TOMBERG, Eemeli
15:00	[97] Extranatural inflation and CMB observations	GOSWAMI, Gaurav
15:15	[98] Inflationary Correlators from Symmetries and Singularities	LEE, Hayden
15:30	[99] Unsuppressed Primordial Standard Clocks in Warm Quasi-Single Field Inflation	ZHOU, Siyi
15:45	[100] Angular inflation in α -attractors	SFAKIANAKIS, Evangelos

Parallel Session: Large Scale Structure 2 - 314 (14:00 - 16:00)

-Conveners: Benjamin L'Huilier

time	[id] title	presenter
14:00	[108] Soft Theorems in Cosmological Correlation Functions	WONG, Sam
14:15	[109] Fast Generation of Covariance Matrices for Weak Lensing	SGIER, Raphael
14:30	[110] Modelling nonlinearities beyond vanilla LCDM	CATANEO, Matteo
14:45	[112] Shell-crossing structure of cold dark matter with Lagrangian perturbation theory	SAGA, Shohei
15:00	[113] Machine learning dark matter halo formation	LUCIE-SMITH, Luisa
15:15	[114] Cosmological constraints on the velocity-dependent Baryon-Dark matter coupling	OOBA, Junpei

Thursday, 30 August 2018

Parallel Session: Dark Energy / Modified Gravity 1 - 314 (14:00 - 16:00)

-Conveners: **Jacobo Asorey**

time	[id] title	presenter
14:00	[129] Relativistic stars in degenerate higher-order scalar-tensor theories after GW170817	KOBAYASHI, Tsutomu
14:15	[130] Holographic Dark Matter Fluid in Late Universe	ZHANG, Yun-Long
14:30	[131] Beyond Fierz-Pauli theory	KIMURA, Rampei
14:45	[132] Self-anisotropizing universe in Horndeski theory	TAHARA, Hiroaki
15:00	[133] Galileon and generalized Galileon with projective invariance in metric-affine formalism	AOKI, Katsuki
15:15	[134] Positivity bounds on vector boson scattering at the LHC	ZHOU, Shuang-Yong
15:30	[135] Constraining Effective Theories for Cosmology and Gravity	MELVILLE, Scott

Parallel Session: Inflation 2 - 306 (14:00 - 16:00)

-Conveners: **Ki-Young Choi**

time	[id] title	presenter
14:00	[122] Inflation in the Mixed Higgs-R2 Model	HE, Minxi
14:15	[123] Matching and running: predictions in non-renormalizable inflationary models	FUNAGALLI, Jacopo
14:30	[124] Probing Starobinsky R2 inflation with CMB precision cosmology	WATANABE, Yuki
14:45	[125] Sidetracked Inflation	GARCIA-SAENZ, Sebastian
15:00	[126] Search for hybrid inflation with the cosmological collider	WU, Yi-Peng
15:15	[127] Pole N-Flation	SCALISI, Marco
15:30	[128] Quantum diffusion during inflation and primordial black holes	PATTISON, Chris
15:45	[157] Better be careful with cosmological frames	HERRERO-VALEA, Mario

Parallel Session: Particle Physics/Early Universe - Main Hall (14:00 - 16:00)

-Conveners: **Ayuki Kamada**

time	[id] title	presenter
14:00	[115] Magnetogenesis from chiral plasma instability and baryon asymmetry of the Universe	KAMADA, Kohei
14:15	[116] Gravitational waves from first order electroweak phase transition in models with the U(1) _X gauge symmetry	MATSUI, Toshinori
14:30	[117] Exploring dynamical CP violation induced baryogenesis by gravitational waves and colliders	HUANG, Fa Peng
14:45	[118] Gamma-ray spectral modulations induced by photon-ALP-dark photon oscillations	YUN, Seokhoon
15:00	[119] Supersymmetric Flaxion	HAGIHARA, Daisuke

15:15	[120] Can deep infrared modes beyond current horizon scale affect observable primordial fluctuations?	TOKUDA, Junsei
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Parallel Session: Baryogenesis - 204 (16:30 - 18:30)

-Conveners: Eibun Senaha

time	[id] title	presenter
16:30	[136] Can we probe the Universe at the Fermi epoch in the lab?	TIMIRYASOV, Inar
16:45	[137] New conservation law in low scale leptogenesis	EIJIMA, Shintaro
17:00	[138] Pendulum Leptogenesis	BARRIE, Neil
17:15	[139] Non-thermal WIMP baryogenesis	KIM, Jongkuk
17:30	[140] Spontaneous Leptogenesis in Continuum-Clockwork Axion Models	KOST, Jeff
17:45	[141] Leptogenesis from Dark Matter Annihilations in Scotogenic Model	DASGUPTA, Arnab
18:00	[142] Leptogenesis in Cosmological Relaxation with Particle Production	YE, Fang
18:15	[143] Effective electroweak baryogenesis	POSTMA, Marieke

Parallel Session: Dark Energy / Modified Gravity 2 - 314 (16:30 - 18:30)

-Conveners: Tsutomu Kobayashi

time	[id] title	presenter
16:30	[152] Stringy Gravity and the Einstein Double Field Equations	ANGUS, Stephen
16:45	[153] Model selection and constraints from Holographic dark energy scenarios	MALEKJANI, Mohammad
17:00	[154] Tension of H_0 and its possible solution	LEE, Seokcheon
17:15	[155] Thermodynamics of Dark Energy Models in Loop Quantum Cosmology	JAWAD, Abdul

Parallel Session: Early Universe - 306 (16:30 - 18:30)

-Conveners: Yun-Long Zhang

time	[id] title	presenter
16:30	[144] The evolution and decay of hadronic inhomogeneities in the early universe	SANYAL, Soma
16:45	[145] Inflationary universes born out of the highly inhomogeneous initial condition	OSHITA, Naritaka
17:00	[146] The no-boundary proposal in loop quantum cosmology	BRAHMA, Suddhasattwa
17:15	[147] Quantum Entanglement in Multi-field inflation	MIZUNO, Shuntaro
17:30	[148] Numerically probing many field inflation with PyTransport	MULRYNE, David
17:45	[149] A New Semiclassical Picture of Vacuum Decay	BRADEN, Jonathan
18:00	[150] The cosmic QCD epoch at non-vanishing lepton asymmetry	OLDENGOTT, Isabel M.
18:15	[151] Aspects of Dark Matter Axion Clumps	HERTZBERG, Mark