

International Conference on the Physics of the Two Infinities

Monday, March 27, 2023

Session: Welcome (9:30 AM - 9:50 AM)

time	[id] title	presenter
9:30 AM	[158] Welcome address	KAJITA, Takaaki
9:40 AM	[157] Opening statements	TSUYOSHI NAKAYA, Michel Gonin,

Session: I (9:50 AM - 11:05 AM)

-Conveners: Mamoru DOI (University of Tokyo)

time	[id] title	presenter
9:50 AM	[106] Exploring "dark" side of galaxy formation in the early Universe	KOHNO, Kotaro
10:15 AM	[133] Simons Array and Simons Observatory; probing cosmic inflation and particle physics from Chile	HASEGAWA, Masaya
10:40 AM	[100] Interplay between Cosmology and Neutrinos Physics	GERBINO, Martina

Session: I (11:25 AM - 12:40 PM)

-Conveners: Mamoru DOI (University of Tokyo)

time	[id] title	presenter
11:25 AM	[93] Prime Focus Spectrograph - A Subaru's next-generation facility instrument under commissioning	TAMURA, Naoyuki
11:50 AM	[108] Physics and status of the Hyper-Kamiokande experiment	QUILAIN, Benjamin
12:15 PM	[134] Sterile Neutrino searches	DEL AMO SANCHEZ, Pablo

Session: II (3:00 PM - 4:15 PM)

-Conveners: Armand FIASSON (LAPP - IN2P3)

time	[id] title	presenter
3:00 PM	[107] What can we learn from gravitational waves ?	TANAKA, Takahiro
3:25 PM	[116] The Einstein Telescope project	VERDIER, Patrice
3:50 PM	[85] Status of squeezing and quantum enhancement for gravitational wave detection at NAOJ	PAGE, Michael

Session: II (4:35 PM - 6:40 PM)

-Conveners: Armand FIASSON (LAPP - IN2P3)

time	[id] title	presenter
4:35 PM	[131] Review on the Interplay between Particle Physics Results and Cosmology	SALERNO, Roberto

5:00 PM	[149] Flavor Physics and the Belle II Experiment	NISHIDA, Shohei
5:25 PM	[110] Observations at the tera-electronvolt of the extragalactic sky: a selection of important results	SANCHEZ, David
5:50 PM	[88] Highlights of Galactic observations with the MAGIC telescopes	HADASCH, Daniela
6:15 PM	[122] Recent Results of Fermi	MIZUNO, Tsunefumi

Tuesday, March 28, 2023

Session: III (9:00 AM - 10:40 AM)

-Conveners: Tsuyoshi NAKAYA (University of Kyoto)

time	[id] title	presenter
9:00 AM	[113] Machine learning for gravitational wave inference	GAIR, Jonathan
9:25 AM	[139] LIGO-Virgo-KAGRA Observational Results and Outlook	CANNON, Kipp
9:50 AM	[141] GroundBIRD -- CMB polarization observation with continuously high-speed rotation	HONDA, Shunsuke
10:15 AM	[135] The Quest for Cosmic Dawn: latest Results from J. Webb Space Telescope	LAPORTE, Nicolas

Session: III (11:00 AM - 12:40 PM)

-Conveners: Tsuyoshi NAKAYA (University of Kyoto)

time	[id] title	presenter
11:00 AM	[119] Machine Learning for cosmology: expectations with galaxy surveys	BOUCAUD, Alexandre
11:25 AM	[105] Exploring the primordial Universe with QUBIC	HAMILTON, Jean-Christophe
11:50 AM	[98] Latest results and perspectives for Super-Kamiokande	MUELLER, Thomas
12:15 PM	[111] JUNO physics prospects	ATHAYDE MARCONDES DE ANDRE, Joao Pedro

Session: IV (2:40 PM - 4:20 PM)

-Conveners: Marcos DRACOS (IPHC-IN2P3)

time	[id] title	presenter
2:40 PM	[109] Straight to the Future - Physics Program and Status of the International Linear Collider	LIST, Jenny
3:05 PM	[114] Instrumentation Technology Development at KEK	HANAGAKI, Kazunori
3:30 PM	[138] Recent Results from the IceCube Neutrino Observatory	LAZAR, Jeffrey
3:55 PM	[140] SuperChooz Exploration: Reactor & Solar Neutrino Physics	CABRERA, Anatael

Session: IV (4:40 PM - 6:45 PM)

-Conveners: Marcos DRACOS (IPHC-IN2P3)

time	[id] title	presenter
4:40 PM	[112] Cosmology with Subaru HSC/PFS	TAKADA, Masahiro
5:05 PM	[130] Imaging dark energy at Subaru and Rubin.	ASTIER, Pierre
5:30 PM	[148] Status and Perspectives of Direct Dark Matter Searches	SCOTTO LAVINA, Luca
5:55 PM	[99] A whirlwind tour of the Milky Way in gamma rays	TIBALDO, Luigi
6:20 PM	[115] Binary Neutron Stars: from macroscopic collisions to microphysics	REZZOLLA, Luciano

Wednesday, March 29, 2023

Session: V (2:30 PM - 4:10 PM)

-Conveners: **Christophe BRONNER (University of Tokyo)**

time	[id] title	presenter
2:30 PM	[152] Recent results and future prospects from the T2K experiment	KIKAWA, Tatsuya
2:55 PM	[128] Detection of Supernova Neutrinos with KM3NeT	EL HEDRI, Sonia
3:20 PM	[145] Status of the CTA Project	TESHIMA, Masahiro
3:45 PM	[23] The latest results of the CALorimetric Electron Telescope (CALET) on the International Space Station	TORII, Shoji

Session: V (4:30 PM - 6:35 PM)

-Conveners: **Christophe BRONNER (University of Tokyo)**

time	[id] title	presenter
4:30 PM	[117] GRAINE project: Cosmic gamma-ray observation by balloon-borne emulsion telescope	AOKI, Shigeki
4:55 PM	[132] SMILE project: balloon experiments for observations of cosmic MeV gamma-rays	TAKADA, Atsushi
5:20 PM	[120] KamLAND-Zen Experiment	SHIMIZU, Itaru
5:45 PM	[60] Precise measurement of Neutrino Interactions at J-PARC in the NINJA experiment	FUKUDA, Tsutomu
6:10 PM	[146] Overview of ANTARES, the first Submarine Neutrino Telescope	CIRCELLA, Marco

Thursday, March 30, 2023

Session: VI (8:55 AM - 10:35 AM)

-Conveners: Toshinori MORI (University of Tokyo)

time	[id] title	presenter
8:55 AM	[104] Particle physics with muons	UCHIYAMA, Yusuke
9:20 AM	[126] Machine learning in High Energy Physics	GOLLING, Tobias
9:45 AM	[123] SND@LHC : Scattering and Neutrino Detector at the LHC	LEE, Kang Young
10:10 AM	[150] Highlights of BSM searches in ATLAS and CMS (including EFT interpretations and Dark Matter results)	LINDON, Jack

Session: VI (11:00 AM - 12:40 PM)

-Conveners: Toshinori MORI (University of Tokyo)

time	[id] title	presenter
11:00 AM	[91] Multi-messenger observations of the high-energy transient sky	SCHUSSLER, Fabian
11:25 AM	[121] The LiteBIRD space mission	LELOUP, Clément
11:50 AM	[118] Current status and future physics potential of the DUNE experiment	BRUNETTI, Maria Brigida
12:15 PM	[161] KAGRA: Large Cryogenic Gravitational Wave Antenna	ANDO, Masaki

Session: VII (2:00 PM - 4:30 PM)

-Conveners: Patrice VERDIER (IP2I - IN2P3)

time	[id] title	presenter
2:00 PM	[142] Gamma-ray bursts in the multi-messenger era	DAIGNE, Frédéric
2:25 PM	[83] Cosmological constraints on neutrinos and other light relics	LATTANZI, Massimiliano
2:50 PM	[124] What are the key open questions in particle physics ?	PESKIN, Michael
3:15 PM	[103] Advanced Virgo+ Status and Perspectives	GARUFI, Fabio
3:40 PM	[137] Status on H0	RIGAULT, Mickael
4:05 PM	[92] Concluding Remarks	SPIRO, Michel