

Light Dark World International Forum 2018

Monday, December 17, 2018

Session: 1a - Yang Seung-Taek Auditorium (2F), Building E9 (9:30 AM - 10:40 AM)

-Conveners: Hye-Sung Lee

time	[id] title	presenter
9:30 AM	[M2] Double Beta Decay Experiments	KIM, Yeongduk
10:05 AM	[M9] Science prospects and status of the JSNS2 Experiment	ROTT, Carsten

Session: 1b - Yang Seung-Taek Auditorium (2F), Building E9 (11:10 AM - 12:20 PM)

-Conveners: Brian Batell

time	[id] title	presenter
11:10 AM	[M7] Long-range interactions in neutrino oscillations	RAUT, Sushant
11:45 AM	[M9] Probing new physics with atomic clocks	SAFRONOVA, Marianna

Session: 2a - Yang Seung-Taek Auditorium (2F), Building E9 (2:00 PM - 3:45 PM)

-Conveners: Patrick deNiverville

time	[id] title	presenter
2:00 PM	[M9] The WIMP is Dead! Long Live the WIMP!	HOOPER, Dan
2:35 PM	[M8] Cosmological Probes of Dark Matter Physics	BODDY, Kimberly
3:10 PM	[M3] COSINE-100 dark matter search experiment	LEE, Hyun Su

Session: 2b - Yang Seung-Taek Auditorium (2F), Building E9 (4:10 PM - 5:55 PM)

-Conveners: Ahmed Ismail

time	[id] title	presenter
4:10 PM	[M0] Sharp spectral features from light dark matter decay	IBARRA, Alejandro
4:45 PM	[M6] Timing information for Long-Lived Particle and light dark matter	PARK, Seong Chan
5:20 PM	[M4] Imprints of reheating on low-energy physics	LEE, Hyun Min

Tuesday, December 18, 2018

Session: 3a - Yang Seung-Taek Auditorium (2F), Building E9 (9:30 AM - 10:40 AM)

-Conveners: Pyungwon Ko

time	[id] title	presenter
9:30 AM	[M0] A comprehensive approach to axion research	SEMERTZIDIS, Yannis
10:05 AM	[S1] A Limit on Axion from the Cooling Neutron Star in Cassiopeia A	HAMAGUCHI, Koichi

Session: 3b - Yang Seung-Taek Auditorium (2F), Building E9 (11:10 AM - 12:20 PM)

-Conveners: Marianna Safronova

time	[id] title	presenter
11:10 AM	[M1] Flavorful axion phenomenology	CHUN, Eung Jin
11:45 AM	[S1] Low scale inflation and constraints on axions	YIN, Wen

Session: 4a - Yang Seung-Taek Auditorium (2F), Building E9 (2:00 PM - 3:45 PM)

-Conveners: Dan Hooper

time	[id] title	presenter
2:00 PM	[M1] Dark Matter models at the SeaQuest experiment	GORI, Stefania
2:35 PM	[M1] The NA64 Experiment at the CERN SPS	BANERJEE, Dipanwita
3:10 PM	[S1] The dark axion portal at the intensity frontier	DENIVERVILLE, Patrick

Session: 4b - Yang Seung-Taek Auditorium (2F), Building E9 (4:10 PM - 5:20 PM)

-Conveners: Eung Jin Chun

time	[id] title	presenter
4:10 PM	[M1] Light hadrophilic scalars	ISMAIL, Ahmed
4:45 PM	[M1] The status of flavor anomalies	ALTMANNSHOFER, Wolfgang

Wednesday, December 19, 2018

Session: 5a - Yang Seung-Taek Auditorium (2F), Building E9 (9:30 AM - 10:40 AM)

-Conveners: Stefania Gori

time	[id] title	presenter
9:30 AM	A13 Particle physics models for interacting dark matter-dark radiation and tensions in H_0 and σ_8	KO, Pyungwon
10:05 AM	A14 Primordial black holes and small-scale constraints	GONG, Jinn-Ouk

Session: 5b - Yang Seung-Taek Auditorium (2F), Building E9 (11:10 AM - 12:20 PM)

-Conveners: Alejandro Ibarra

time	[id] title	presenter
11:10 AM	A15 Light dark matter from topological defects	LONG, Andrew
11:45 AM	A16 Direct Detection of sub-GeV Dark Matter	YU, Tien-Tien