

International Workshop on New Opportunities for Particle Physics 2024

Friday, 19 July 2024

Morning - Room 124, Multi-discipline Research Center (09:00 - 10:00)

-Conveners: Qiang Zhao

time	[id] title	presenter
09:00	[3] Measuring Quantum Entanglement and Bell's Inequality Violation at Colliders	HAN, Tao
09:30	[4] Effective Field Theories from IR Amplitudes to UV Physics	YU, Jiang-Hao

Morning - Room 124, Multi-discipline Research Center (10:40 - 12:10)

-Conveners: Tao Han

time	[id] title	presenter
10:40	[5] CP violation in BSM	GROJEAN, Christophe
11:10	[6] Solving the strong CP problem without axions	STRUMIA, Alessandro
11:40	[7] Flavor violation at future colliders	ALTMANNSHOFER, Wolfgang

Saturday, 20 July 2024

Morning - Room 124, Multi-discipline Research Center (09:00 - 10:00)

-Conveners: Hong-Jian He

time	[id] title	presenter
09:00	[14] Searching for the Biggest Bangs since the Big Bang	ELLIS, John
09:30	[15] Gravitational-wave interferometers as particle physics laboratories: directly probing dark matter	MILLER, Andrew

Morning - Room 124, Multi-discipline Research Center (10:40 - 12:10)

-Conveners: Qing-Hong Cao

time	[id] title	presenter
10:40	[16] Consequences of phase transitions happened during inflation	AN, Haipeng
11:10	[17] Nano-hertz gravitational wave and cosmic phase transition	YANG, Jin Min
11:40	[18] Higgs as a Probe of New Physics	KANEMURA, Shinya

Sunday, 21 July 2024

Morning - Room 124, Multi-discipline Research Center (09:00 - 10:00)

-Conveners: Wolfgang Altmannshofer

time	[id]	title	presenter
09:00	[26]	SMEFT at future lepton colliders with machine learning	GU, Jiayin
09:30	[27]	New dark matter search channels at electron colliders	LIU, Zuowei

Morning - Room 124, Multi-discipline Research Center (10:40 - 12:10)

-Conveners: Yi Liao

time	[id]	title	presenter
10:40	[28]	The neutrino portal at CEPC	DREWES, Marco
11:10	[29]	Neutrino physics at future colliders	DEV, Bhupal
11:40	[30]	The Muon Shot	LIU, Zhen