



# Asia-Pacific School and Workshop on Gravitation and Cosmology 2020

## Monday, 10 February 2020

**Workshop: Cosmology & particle physics - Conference Room (14:00 - 17:10)**

-Conveners: Jan Hamann

time	[id] title	presenter
14:00	[0] A viable explanation of the DAMA modulation effect among several WIMP effective scenarios	Mr KANG, Sunghyun
14:25	[1] Model-independent constraints on Type Ia supernova light-curve hyper-parameters and reconstructions of the expansion history of the Universe	Mr KOO, Hanwool
14:50	[2] ALPino/gravitino as decaying dark matter and cosmological signatures	KAMADA, Ayuki
15:25	[3] Bouncing Universe from Nothing	Dr TERADA, Takahiro
15:50	Break	
16:10	[5] Exploring Inflationary Magnetogenesis	Prof. LEE, Wo-Lung
16:45	[6] Reconstruction of $f(G)$ gravity models	Dr LEE, Seokcheon

# Tuesday, 11 February 2020

## **Workshop: Black holes - Conference Room (11:00 - 12:00)**

-Conveners: Alex Nielsen

time	[id] title	presenter
11:00	[34] Schwinger Effect from Charged Black Holes in (A)dS Space	Prof. CHEN, Chiang-Mei
11:25	[35] Spherically symmetric wormholes with anisotropic matter	Prof. KIM, Hyeong-Chan

## **Workshop: Gravity - Conference Room (14:00 - 15:00)**

-Conveners: Sudipta Sarkar

time	[id] title	presenter
14:00	[37] Rotating black holes with an anisotropic matter field	Dr LEE, Wonwoo
14:25	[4] Matter Asymmetry without Loops	Dr DASGUPTA, Arnab

# Wednesday, 12 February 2020

## Workshop: Gravitational waves - Conference Room (10:45 - 12:10)

-Conveners: Jinho Kim

time	[id] title	presenter
10:45	[40] Gravitational Wave Echoes due to Ultralight Bosonic Clouds	GAIS, Joseph
11:10	[42] Gravitational Radiation driven capture of two black holes	Dr BAE, Yeong-Bok

## Workshop: Gravitational waves & Poster session - Conference Room (14:00 - 15:40)

-Conveners: Hyeong-Chan Kim

time	[id] title	presenter
14:00	[22] Poster Gong Show	Mr SEO, Eungwang GAIS, Joseph Mr CHO, Kyoungho Ms CHOI, Sonja Mr KIM, Yoonsoo
14:10	[33] Poster Session	

# Thursday, 13 February 2020

## **Workshop: etc - Conference Room (14:00 - 15:40)**

**-Conveners: Jinn-Ouk Gong**

time	[id] title	presenter
14:00	[25] Neutrino masses and Gravitational waves	POPOV, Oleg
14:25	[30] Second-order effective energy-momentum tensor of gravitational scalar perturbations in FRW universe	Prof. CHO, Inyong
14:50	[31] Dark matter and neutrino oscillation	Prof. CHOI, Ki-Young
15:15	[32] Gravitating cosmic tubes in nonlinear sigma model	Dr OH, Seung Hun