



# Saga-Yonsei Joint Workshop XVIII

## Thursday, 20 January 2022

### Plenary: Opening & Lecture 1 (14:00 - 15:40)

time	[id] title	presenter
14:00	[4] Welcome & opening remarks	Prof. FUSAYASU, Takahiro
14:10	[5] Lecture 1: New Avenues for Proton Decay	Dr VELASCO-SEVILLA, Liliana

# Friday, 21 January 2022

## Plenary: Lecture 2 (13:00 - 14:30)

time	[id]	title	presenter
13:00	[10]	Mathmatics for frontend circuit design	Prof. FUSAYASU, Takahiro

# Thursday, 27 January 2022

## **Plenary: Lecture 3 (10:00 - 11:30)**

time	[id] title	presenter
10:00	[15] The Road Less Traveled: where is new physics hidden?	Prof. YOO, Jaehyeok

## **Plenary: Lectures 4, 5 "Issues in cosmology" (13:00 - 16:15)**

time	[id] title	presenter
13:00	[16] Issues in cosmology 1: Quantum states during inflation	Prof. GONG, Jin-Ouk
14:45	[17] Issues in cosmology 2: H0 tension -- CMB vs. local measurements	Prof. JEONG, Donghui

# Friday, 28 January 2022

## Plenary: Lecture 7 (10:30 - 12:00)

time	[id] title	presenter
10:30	[19] Application of the persistent homology analysis to the QCD phase structure	Prof. KASHIWA, Kouji

## Plenary: Group presentations & student research talks (13:00 - 16:25)

time	[id] title	presenter
13:00	[20] Group homework presentations	
14:40	[21] Search for ALP in $B \rightarrow K a$ ( $a \rightarrow \gamma \gamma$ )	Mr CHO, Sungjin
15:00	[24] Testing gravitational theories with the large-scale structure of the Universe	ISHIMARU, Shoya
15:20	[22] Search for $B \rightarrow X \nu \nu$ inclusive at Belle II	PARK, Junewoo
15:40	[29] Lithium problem in Big Bang Nucleosynthesis and Early Dark Energy	YAMASHITA, Sora
16:00	[23] Module assembly R&D of the Dual-Readout Calorimeter for future e+e-colliders	Mr CHO, Guk