

Session Program

5-14 Nov 2024

Dark World to Swampland 2024: the 9th IBS-IFT Workshop

Morning session

Institute for Basic Science, Daejeon
CTPU Seminar Room (Theory Building, 4th Floor) Institute for Basic Science Daejeon, Korea

Tuesday 5 November

10:30

Morning session

Session |**Location:** Institute for Basic Science, Daejeon, CTPU Seminar Room (Theory Building, 4th Floor) Institute for Basic Science Daejeon, Korea |**Convener:** Sang Hui Im

10:30–11:15

New ideas to find ultralight dark matter searches in astrophysical data

Speaker

Diego Blas

11:15–12:00

Can Resonant Binary Black Holes Unveil Axion-Like Particles through Gravitational Waves?

Speaker

Jeong Han Kim

12:00

Wednesday 6 November

10:30

Morning session

Session |
Location: Institute for Basic Science, Daejeon, CTPU Seminar Room (Theory Building, 4th Floor) Institute for Basic Science Daejeon, Korea |
Convener: Seokhoon Yun

10:30-11:15

New insights on light and heavy axion

Speaker
Kohsaku Tobioka

12:00

11:15-12:00

General EFTs of Weakly-Interacting Light Particles and Their Phenomenology

Speaker
Huayang Song

Thursday 7 November

10:30

Morning session

Session |**Location:** Institute for Basic Science, Daejeon, CTPU Seminar Room (Theory Building, 4th Floor) Institute for Basic Science Daejeon, Korea |**Convener:** Kohsaku Tobioka

10:30-11:15

Testing the Far UV with Low Energy Axion Experiments

Speaker

Mario Reig

11:15-12:00

Consistent excesses in SUSY DM searches at the LHC

Speaker

Sven Heinemeyer

12:00

Friday 8 November

10:30

Morning session

Session |**Location:** Institute for Basic Science, Daejeon, CTPU Seminar Room (Theory Building, 4th Floor) Institute for Basic Science Daejeon, Korea |**Convener:** Sven Heinemeyer

10:30-11:15

Results from six years of ANAIS-112 and future prospects

Speaker

Maria Martinez

11:15-12:00

Recent Results and Status of COSINE-100 and its Upgrade

Speaker

Seung Mok Lee

12:00

Monday 11 November

10:15

Morning session

Session |

Location: Institute for Basic Science, Daejeon, CTPU Seminar Room (Theory Building, 4th Floor) Institute for Basic Science Daejeon, Korea

10:15-11:00

Quantum corrections to DGKT and the Weak Gravity Conjecture

Speaker
Miguel Montero

11:00-11:30

Coffee Break

11:30-12:15

QCD Axion Dark Matter in String Theory

Speaker
Naomi Gendler

12:15

Tuesday 12 November

10:15

Morning session

Session |**Location:** Institute for Basic Science, Daejeon, CTPU Seminar Room (Theory Building, 4th Floor) Institute for Basic Science Daejeon, Korea

10:15–11:00

Constraints on supergravities from Emergent Strings

Speaker

Timo Weigand

11:00–11:30

Coffee Break

11:30–12:15

Symmetries of Non-Susy Orbifold Theories

Speaker

Max Hubner

12:15

Wednesday 13 November

10:15

Morning session

Session |
Location: Institute for Basic Science, Daejeon, CTPU Seminar Room (Theory Building, 4th Floor) Institute for Basic Science Daejeon, Korea

10:15-11:00 **IR constraints on irreps of quantum gravity**

Speaker
Yu-tin Huang

11:00-11:30 **Coffee Break**

11:30-12:15 **Time evolution in non-supersymmetric strings**

Speaker
Salvatore Raucci

12:15

Thursday 14 November

10:15

Morning session

Session |**Location:** Institute for Basic Science, Daejeon, CTPU Seminar Room (Theory Building, 4th Floor) Institute for Basic Science Daejeon, Korea

10:15–11:00

Einstein Static Universe in String Theory

Speaker

Alessandro Tomasiello

11:00–11:30

Coffee Break

11:30–12:15

Exploring global symmetries with Calabi-Yau black holes

Speaker

Alessandra Gnechchi

12:15