

## Session Program

7-11 Jun 2026



## 2026 CAU-IBS Beyond the Standard Model Workshop

### *Dark matter*

Chung-Ang University  
Graduate school 302-503, Chung-Ang University, Seoul 06974, Republic of Korea

# Sunday 7 June

14:00

## Dark matter

**Session** |

**Location:** Chung-Ang University, Graduate school 302-503, Chung-Ang University, Seoul 06974, Republic of Korea

14:00–14:30

### Probing low reheating temperature with dark age 21cm signal

**Speaker**

Ki-Young Choi

14:30–14:45

### Scalar portal verifiable light dark matter and correlated gravitational wave signatures

**Speaker**

Erdenebulgan Lkhagvadorj

14:45–15:00

### Primordial Black Hole Hotspots Beyond Flat Spacetime

**Speaker**

Jong-Hyun Yoon

15:00–15:15

### B-Modes Beyond Inflation: Causal Tensor Sources in the Early Universe

**Speaker**

Kylar Greene

15:15

15:45

## Dark matter

**Session** |

**Location:** Chung-Ang University, Graduate school 302-503, Chung-Ang University, Seoul 06974, Republic of Korea

15:45–16:15

### Circumstellar Medium of Supernovae as New Probes for Feebly-Interacting Particles

**Speaker**

Seokhoon Yun

16:15–16:30

### Neutron Portal and Dark Matter-Baryon Coincidence: from UV Completion to Phenomenology

**Speaker**

Sudhakantha Girmohanta

16:30–16:45

### On the Low-Energy Behavior of Dynamical Gauge Couplings

**Speaker**

Michael Shamma

16:45–17:00

### Peccei Quinn genesis

**Speaker**

Jun-Ho Song

17:15

# Thursday 11 June

09:30

## Dark matter

**Session** |

**Location:** Chung-Ang University, Graduate school 302-503, Chung-Ang University, Seoul 06974, Republic of Korea

09:30-10:30

### Revisiting Minimal Dark Matter Models

**Speaker**

Koichi Hamaguchi

10:30

11:00

## Dark matter

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11:00-11:30

### Direct detection of sub-eV dark matter with torsion balance experiments

**Speaker**

Dr Shigeki Matsumoto

11:30-12:00

### Invisible Higgs interaction at the muon collider

**Speaker**

Dr Kyu Jung Bae

12:00