

Session Program

17-21 Feb 2025



2025 CAU-IBS Beyond the Standard Model Workshop

DM

Chung-Ang University
Centennial 310-B602, Chung-Ang University, Seoul 06974, Republic of Korea

Monday 17 February

09:30

DM

Session |

Location: Chung-Ang University, Centennial 310-B602, Chung-Ang University, Seoul 06974, Republic of Korea

09:30–10:30

Astrophysical Probes of Dark Matter

Speaker

Hai-Bo Yu

10:30

11:00

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11:00–11:40

Connecting the baryons to the dark matter of the Universe

Speaker

Alejandro Ibarra

11:40–12:20

Status of Boosted Dark Matter

Speaker

Prof. Jong-Chul Park

12:20

Wednesday 19 February

09:30

DM

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09:30–10:30

Light Dark Matter: showcases from cosmology, astrophysics and experiment

Speaker

Josef Pradler

10:30

Thursday 20 February

14:00

DM

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14:00–14:40 **Heavy dark matter and the evolution of the early universe**

Speaker
Chang Sub Shin

14:40–15:00 **Probing heavy dark matter with red giants**

Speaker
Dr Minxi He

15:00–15:30 **Dark Photons can Prevent Core-Collapse Supernova Explosions**

Speaker
Dr Seokhoon Yun

15:30

Friday 21 February

14:00

DM

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14:00–14:40

A few topics in dark matter physics with RHN portals

Speaker

Prof. Pyungwon Ko

14:40–15:00

Dark gauge-mediated supersymmetry breaking with a massless dark photon

Speaker

Yechan Kim

15:00–15:20

Heavy Dark Photon Cosmological and Astrophysical Bounds revised

Speaker

Jaeyoung Park

15:20

15:50

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15:50–16:20

Vector dark matter at low reheat temperature Including decay

Speaker

Sarif Khan

16:20–16:40

Indirect dark matter searches with the CTAO telescope

Speaker

Lucca Radicce Justino

16:40–17:00

Late-time Cosmology without Dark Sector but with Closed String Massless Sector

Speaker

Dr Hocheol Lee

17:00