

Session Program

10-12 Dec 2025

RIKEN-IBS Joint Workshop on Mathematical Approaches to Nature: from High-energy Physics to Biology

Day 1 Morning

IBS Center for Theoretical Physics of the Universe, Seminar Room B440
IBS Theory Building 4th Floor, 55 Expo-ro, Yuseong-gu, Daejeon, 34126, Korea

Wednesday 10 December

10:00

Day 1 Morning: Jae Kyoung Kim

Session |

Location: IBS Center for Theoretical Physics of the Universe, Seminar Room B440, IBS Theory Building 4th Floor, 55 Expo-ro, Yuseong-gu, Daejeon, 34126, Korea

10:00–10:45

Synergy between math modeling and AI to solve human health problems

Speaker

Prof. Jaekyoung Kim

10:45

10:45

Day 1 Morning: Boris Betancourt Kamenetskaia

Session |

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10:45–11:30

Structure and formation of self-interacting dark matter stars

Speaker

Dr Boris Betancourt Kamenetskaia

11:30

11:30

Day 1 Morning: Derek Inman

Session |

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11:30–12:15

Dark Matter Halos at Very High Redshifts

Speaker

Derek Inman

12:15