

Session Program

21-24 Jul 2026

**International Workshop on Origin of Mass
and Matter in the Universe**

Session chair

APCTP, 512

Hogil Kim Memorial Building #501 POSTECH, 77 Cheongam-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37673, Korea

Tuesday 21 July

13:30

Session chair: Kazuo Tsushima

Session |

Location: APCTP, 512, Hogil Kim Memorial Building #501 POSTECH, 77 Cheongam-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37673, Korea

13:30-13:40 **Opening**

13:40-14:20 **Myung-Ki Cheoun**

14:20-15:00

Effect of symmetry energy in the hadron-quark phase transition in the neutron star

Speaker

Chang Ho Hyun

15:00

15:40

Session chair: Wooseung Jung

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15:40-16:20

In-medium mass shifts and nucleus bound states of B_c^* , B_s^* and D_s^* mesons ($B_c, -12 C, -A$)

Speaker

Kazuo Tsushima

17:00

16:20-17:00 **Hana Gil**

Wednesday 22 July

10:00

Session chair: Tsuyoshi Miyatsu

Session |

Location: APCTP, 512, Hogil Kim Memorial Building #501 POSTECH, 77 Cheongam-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37673, Korea

10:00–10:40 **Philipp Gubler**

10:40–11:00 **Break**

11:00–11:40 **H-Dibaryon Search near the $\Lambda\Lambda$ and Ξp Thresholds at J-PARC**

Speaker

Wooseung Jung

11:40

13:30

Session chair: Myung-Ki Cheoun

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13:30–14:10

Quark saturation and quarkyonic matter in a quark-meson coupling model

Speaker

Tsuyoshi Miyatsu

14:10–14:50 **Sangho Kim**

14:50

15:40

Session chair: Sangho Kim

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15:40–16:20 **Yuk Kei Kong**

16:20–17:00

Pion properties and quark condensate in isospin-asymmetric nuclear matter

Speaker

Kihong Kwon

17:00

Thursday 23 July

09:30

Session chair: Philipp Gubler

Session |

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09:30-10:10

Implications of f_1 mixing angle and mass spectrum of axial vector mesons

Speaker

Yoshito Nakane

10:10-10:50

Momentum Dependence of Charmonia and K_1 in Medium: A QCD Sum Rules Approach

Speaker

Seokwoo Yeo

10:50-11:00

Break

11:00-11:40

Lambda and Sigma hyperons in nuclear matter

Speaker

Asanosuke Jinno

11:40

Friday 24 July

10:00

Session chair: Ahmad Jafar Arifi

Session |

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10:00–10:40 **Satomi Nakasuga**

10:40–11:00 **Break**

11:00–11:40

First measurement of the escape K^- in the $^{12}\mathrm{C}(K^-,p)$ reaction for probing the kaon-nucleus optical potential

Speaker

Fumiya Oura

11:40

13:30

Session chair: Fumiya Oura

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13:30–14:10 **Phi meson in nuclear matter**

Speaker

Ahmad Jafar Arifi

14:10–14:30 **Break**

14:30–15:10 **Shin Hyung Kim**

15:10