

# **JUST: Japan-US-Taiwan Particle Physics Workshop**

## **Report of Contributions**

Contribution ID: **101**

Type: **not specified**

## **Gravitational Probes of New Physics**

*Monday, 10 June 2024 09:55 (40 minutes)*

**Presenter:** BAUMANN, Daniel (National Taiwan University)

Contribution ID: **102**

Type: **not specified**

# **Precision Gravitational Waves from Particle Physics Tools**

*Monday, 10 June 2024 10:50 (40 minutes)*

**Presenter:** SHEN, Chia-Hsien (National Taiwan University)

Contribution ID: **103**

Type: **not specified**

## **Supernova neutrinos: within Standard Model and beyond**

*Thursday, 13 June 2024 16:10 (40 minutes)*

**Presenter:** WU, Meng-Ru (Institute of Physics, Academia Sinica)

Contribution ID: **104**

Type: **not specified**

## **Flavorful dark matter**

*Monday, 10 June 2024 14:30 (40 minutes)*

**Presenter:** HE, Xiao-Gang (SJTU/NTU)

Contribution ID: **105**

Type: **not specified**

## **Cogenesis by a sliding pNGB with global symmetry non-restoration**

*Monday, 10 June 2024 15:10 (40 minutes)*

**Presenter:** JUNG, Tae Hyun (Intitute for basic science)

Contribution ID: **106**

Type: **not specified**

## **Lattice study of two Higgs doublet models**

*Tuesday, 11 June 2024 09:50 (40 minutes)*

**Presenter:** LIN, C.-J. David (National Yang Ming Chiao Tung University)

Contribution ID: **107**

Type: **not specified**

# **Noninvertible symmetry and new selection rules for solitons**

*Tuesday, 11 June 2024 10:50 (40 minutes)*

**Presenter:** TANIZAKI, Yuya (Yukawa Institute for Theoretical Physics, Kyoto University)



Contribution ID: **108**

Type: **not specified**

## **Non-Invertible Peccei-Quinn Symmetry and the Massless Quark Solution to the Strong CP Problem**

*Tuesday, 11 June 2024 11:50 (40 minutes)*

**Presenter:** HONG, Sungwoo (KAIST)

Contribution ID: **109**

Type: **not specified**

## **Calculating composite-particle spectra in Hamiltonian formalism of gauge theories**

*Tuesday, 11 June 2024 14:30 (40 minutes)*

**Presenter:** ITOU, Etsuko (YITP, Kyoto U.)

Contribution ID: **110**

Type: **not specified**

# **Astrophysical Probes to the New Physics Beyond Standard Model**

*Tuesday, 11 June 2024 15:10 (40 minutes)*

**Presenter:** ZHAO, Yue (University of Utah)

Contribution ID: 111

Type: **not specified**

## **Majorana type-phases and the time evolution of lepton numbers**

*Tuesday, 11 June 2024 16:10 (40 minutes)*

**Presenter:** YAMAMOTO, Kei (Hiroshima Institute of Technology)

Contribution ID: 112

Type: **not specified**

## **Charming Top Interactions with Neutral Higgs Bosons at the LHC**

*Wednesday, 12 June 2024 09:50 (40 minutes)*

**Presenter:** KAO, Chung

Contribution ID: 113

Type: **not specified**

## **Two-neutrino forces and the observables that probe them**

*Wednesday, 12 June 2024 10:50 (40 minutes)*

**Presenter:** GHOSH, Mitrajyoti (Florida State University)

Contribution ID: 114

Type: **not specified**

## **Light new particles in non-canonical proton decays**

*Wednesday, 12 June 2024 11:50 (40 minutes)*

**Presenter:** FRIDELL, Kåre (KEK)

Contribution ID: 115

Type: **not specified**

# Accelerated Artificial Intelligence for Particle Physics

*Thursday, 13 June 2024 09:50 (40 minutes)*

**Presenter:** HSU, Shih-Chieh (University of Washington)



Contribution ID: 116

Type: **not specified**

## The updates of CTEQ-TEA parton distribution functions

*Thursday, 13 June 2024 10:50 (40 minutes)*

**Presenter:** YUAN, C.-P. (Michigan State University)

Contribution ID: 117

Type: **not specified**

## **Mediator Decay through mixing with Degenerate Spectrum**

*Thursday, 13 June 2024 11:50 (40 minutes)*

**Presenter:** MATSUMOTO, Shigeki (Kavli IPMU, U. Tokyo)

Contribution ID: **118**

Type: **not specified**

## **Probing models for flavor anomalies**

*Thursday, 13 June 2024 14:30 (40 minutes)*

**Presenter:** IGURO, Syuhei (Nagoya University)

Contribution ID: **119**

Type: **not specified**

## **Searching for Extra Higgs Boson Effects in the General 2HDM**

*Thursday, 13 June 2024 15:10 (40 minutes)*

**Presenter:** HOU, George W.S. (National Taiwan University)

Contribution ID: 120

Type: **not specified**

## **Dark matter semi-annihilation for inert scalar multiplets**

*Monday, 10 June 2024 11:50 (40 minutes)*

**Presenter:** BEAUCHESNE, Hugues (NCTS)