

Session Program

19-21 Aug 2025



Southeast Asian Workshop on Nuclear and Hadron Physics

Researcher session

Universitas Gadjah Mada, Department of Physics

Tuesday 19 August

09:00

Researcher session: #1

Session | **Location:** Universitas Gadjah Mada, Department of Physics | **Convener:** Chalis Setyadi

09:00–09:25

Decoding the Nucleon; Experimental Approaches to Its Internal Structure

Speaker

Zulkaida Akbar

09:25–09:50

Experimental studies on threshold cusps

Speaker

Kiyoshi Tanida

09:50

10:20

Researcher session: #2

Session | **Location:** Universitas Gadjah Mada, Department of Physics | **Convener:** Daiki Suenaga

10:20–10:45

Nuclear theories used in compact stars in some modified gravity theories

Speaker

Ilham Prasetyo

10:45–11:10

From Core Burning to Collapse: Nuclear Physics Driving Nucleosynthesis and Neutrino Production in Massive Stars

Speaker

Norhasliza Yusof

11:10–11:35

Estimation of pairing delta residual interaction strengths based on semi-classically averaged nuclear pairing properties

Speaker

Meng Hock Koh

11:35

13:00

Researcher session: #3

Session | **Location:** Universitas Gadjah Mada, Department of Physics | **Convener:** Ahmad Jafar Arifi

13:00–13:25

Internal structure of near-threshold states using compositeness

Speaker

Tomona Kinugawa

13:25–13:50

Bound states in a continuum in three-body systems of cold atoms

Speaker

Lucas Happ

13:50

Wednesday 20 August

08:30

Researcher session: #4

Session | **Location:** Universitas Gadjah Mada, Department of Physics | **Convener:** Zulkaida Akbar

08:30–08:55

Electro-Excitation Transition Form Factors of the Proton

Speaker

Adnan Bashir

08:55–09:20

Quantum Chromodynamics and Hadron Structure

Speaker

Parada Hutaeruk

09:20–09:45

Extraction of Proton Electric Form Factor and Radius from Low- Q^2 Data

Speaker

Jingle Magallanes

09:45

10:15

Researcher session: #5

Session | **Location:** Universitas Gadjah Mada, Department of Physics | **Convener:** Jingle Magallanes

10:15–10:40

Electron Structure in Light Front QED Model

Speaker

Narinder Kumar

10:40–11:05

Quark structure of the kaon from chiral effective models

Speaker

Hyeon-Dong Son

11:05–11:30

Exploring Meson Structure through the Light-Front Quark Model

Speaker

Ahmad Jafar Arifi

11:30

13:00

Researcher session: #6

Session | **Location:** Universitas Gadjah Mada, Department of Physics | **Convener:** Tomona Kinugawa

13:00–13:25

Entanglement Suppression, Quantum Statistics and Symmetries in Spin-3/2 Baryon Scatterings

Speaker

Tetsuo Hyodo

13:25–13:50

Ξ^* productions with Regge contribution

Speaker

Sang-In Shim

13:50

14:05

Researcher session: #7**Session** | **Location:** Universitas Gadjah Mada, Department of Physics | **Convener:** Sang-In Shim

14:05–14:30

On the molecular structure effects of the photoproduction in the $\bar{D} \Lambda_c$ final state**Speaker**

Daris Samart

14:30

15:30

Researcher session: #8**Session** | **Location:** Universitas Gadjah Mada, Department of Physics | **Convener:** Philipp Gubler

15:30–15:55

Probing QCD matter from a little bang with spin transport**Speaker**

Di-Lun Yang

15:55–16:20

Quarkyonic matter with chiral symmetry restoration**Speaker**

Bikai Gao

16:20

Thursday 21 August

08:30

Researcher session: #9

Session | **Location:** Universitas Gadjah Mada, Department of Physics | **Convener:** Kiyoshi Tanida

08:30–08:55

Uncertainties in the initial electromagnetic fields of heavy-ion collisions from Glauber modeling

Speaker

Nicholas Benoit

08:55–09:20

Recent results on the phi meson in dense matter from theory and experiment

Speaker

Philipp Gubler

09:20–09:45

Exploring cold and dense matter from two-color QCD: Numerical experiments and effective models

Speaker

Daiki Suenaga

09:45

10:00

Researcher session: #10

Session | **Location:** Universitas Gadjah Mada, Department of Physics | **Convener:** Idham Syah Alam

10:00–10:25

Precision Calculations for the LHC

Speaker

Heribertus Bayu Hartanto

10:25–10:50

CosmiXs: Cosmic messenger spectra for indirect dark matter searches

Speaker

Adil Jueid

10:50–11:15

Primordial Helium In The Left-Right Symmetry Model With Extra Scalar Fields

Speaker

Istikomah Istikomah

11:15–11:40

Vacuum stability of an extended standard model with U(1) symmetry

Speaker

Apriadi Adam

11:40