

Session Program

19-21 Aug 2025



Southeast Asian Workshop on Nuclear and Hadron Physics

Young researcher session

Universitas Gadjah Mada, Department of Physics

Tuesday 19 August

14:05

Young researcher session: #1

Session | **Location:** Universitas Gadjah Mada, Department of Physics | **Convener:** Parada Hutaaruk

14:05–14:20

Probing the Spectroscopy and Electromagnetic Structure of Heavy Meson within the Light-Front Quark Model

Speaker

Muhammad Ridwan

14:20–14:35

Constraining the proton transverse partonic distribution through coherent J/ψ production at HERA within a three-hotspot model

Speaker

Muhammad Raihannafi Fadhel

14:35–14:50

Generalized parton distributions for the pion within the proper-time Nambu-Jona-Lasinio model

Speaker

Fernando Chandra

14:50–15:05

Large- N_c scalings in Chiral Effective Field Theory of the Contact Interactions for Octet and Decuplet baryons

Speaker

Chindanai Bubpatate

15:05

15:35

Young researcher session: #2

Session | **Location:** Universitas Gadjah Mada, Department of Physics | **Convener:** Ilham Prasetyo

15:35–15:50

Collision Parameter Probability Distribution Prediction in Heavy Ion Collision with Kolmogorov-Arnold Network

Speaker

Cendikia Abdi

15:50–16:05

GPE + GLE Calculations for Interaction Between Neutron Quantum Vortices and Proton Flux Tubes in the Outer Core of Neutron Stars

Speaker

Tatsuhiko Hattori

16:05–16:20

Generalized uncertainty principle effect in nuclear matter and slowly rotating neutron stars

Speaker

Muhammad Hafizt Al Ghifari

16:20

16:30

Young researcher session: #3**Session** | **Location:** Universitas Gadjah Mada, Department of Physics | **Convener:** Daris Samart

16:30-16:45

The Reggeizations of the Odderon Spin-3 and Pomeron Spin-2 Exchanges in pp and p \bar{p} Elastic Scattering**Speaker**

Dominador Jr. Vaso

16:45-17:00

Geometry of Non-Unitary Evolutions in Open Quantum Systems**Speaker**

Muhammad Ezra Acalapati Madani

17:00-17:15

Heavy-Quark Spin Symmetry Violation effects in Charmed Baryon Production**Speaker**

Nantana Monkata

17:15-17:30

Imprint of nuclear structure on identified particles in high energy heavy ion collisions**Speaker**

Hadi Mehrabpour

17:30

Wednesday 20 August

14:30

Young researcher session: #4

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

14:30–14:45

Internal structure of exotic hadrons with coupled channel potential in relation with scattering observables

Speaker

Ibuki Terashima

14:45–15:00

Diquarks study from Lattice QCD

Speaker

Kai-Wen Kelvin-Lee

15:00

16:20

Young researcher session: #5

Session | **Location:** Universitas Gadjah Mada, Department of Physics | **Convener:** Norhasliza Yusof

16:20–16:35

Two-pion emission decays of negative parity singly heavy baryons

Speaker

Nongnaphat Ponkhuha

16:35–16:50

Impact of triaxial degree of freedom in superheavy region

Speaker

Fazle Rabi Fazli

16:50–17:05

Quantum Numerical Integration Algorithm of a Polynomial Function for Nuclear Structure Application

Speaker

Teng Ting Li

17:05