

Session Program

May 21 - 23, 2018

Siam Physics Congress 2018

A12: High Energy Physics

Topland | Hotel & Convention Center Phitsanulok
<http://www.toplandhotel.com/index.php> Phitsanulok, Thailand

Tue, May 22

9:00 AM

A12: High Energy Physics

Session | **Location:** Sukhothai Room | **Convener:** Dr Seckson Sukhasena

9:00 – 9:15 AM **Mass-radius bounds in massive gravity models**

Speaker

Mr Parinya Kareeso

9:15 – 9:30 AM

The effect of nuclear equation of state on the direct flow in heavy ion collision reaction by using quantum molecular dynamics model

Speakers

Yatawee Prommi, Ms Thanaporn Roumsuk

9:30 – 9:45 AM

Entropy Production at the Chiral Phase Transition

Speaker

Mr Apiwit Kittiratpattana

9:45 – 10:00 AM

Exploring one loop amplitude at four-point vertices by the OPP method

Speaker

Mr Suppanat Supanyo

10:00 – 10:15 AM

Charm Quark Equilibration at Ultrarelativistic Energies

Speaker

Christoph Herold

10:15 – 10:30 AM

Study of tetraquark spectroscopy in group theory and quark model

Speaker

Mr Zheng Zhao

10:30 AM

10:45 AM

A12: High Energy Physics

Session | **Location:** Sukhothai Room | **Convener:** Dr Pichet Vanichchaponjaroen

10:45 – 11:00 AM

Study of a non-constant EMC Cut Parameter for Electron and Positron Tracks with Clusters in the Calorimeter of the PANDA Experiment

Speaker

Mr Tawanchat Simantathammakul

11:00 – 11:15 AM

Estimation of the mass of low-lying baryons and ground state pentaquarks

Speaker

Kai Xu

11:15 – 11:30 AM

STUDY OF DOSE RATE IN THE BRAIN MODEL BASED ON THE NEUTRON BEAM OF SUT-MNSR

Speaker
Mr Kaijian Li

11:30 - 11:45 AM

Characterization of Monolithic Active Pixel Sensors with a 1 GeV Electron Beam at SLRI Beam Test Facility

Speaker
Mr NATTHAWUT LAOJAMNONGWONG

11:45 AM - 12:00 PM

A study of charmed baryon production from chiral effective Lagrangian with heavy-quark symmetry and large- N_c constraints

Speaker
Mr Thanat Sangkhakrit

12:00 - 12:15 PM

Fitting coupling constant of ground-state charm baryons Λ_c , Σ_c by using decay width of quark model

Speaker
Attaphon Kaewsnod

12:15 PM

1:15 PM

A12: High Energy Physics

Session | **Location:** Lopburi Room | **Convener:** Dr Patipan Uttayarat Uttayarat

1:15 - 1:30 PM

Uncertainty Quantification of Hypertriton Binding Energy

Speaker
Ms Thiri Yadanar Htun

1:30 - 1:45 PM

Neutrino-Dark Matter Interaction and Bent Seesaw models

Speaker
Mr Nakorn Thongyoi

1:45 - 2:00 PM

Neutrino spectrum in $SU(3)_{\ell} \times SU(3)_E$ gauged lepton flavor model

Speaker
Wararat Treesukrat

2:45 PM

1:15 PM

A12: High Energy Physics

Session | **Location:** Sukhothai Room | **Convener:** Dr Seckson Sukhasena

1:15 - 1:30 PM

Search for the top squark pair production with two-body decays to a charm quark and a neutralino in proton-proton collisions at $\sqrt{s} = \sqrt{13}$ TeV

Speaker
Kittikul Kovitangoon

1:30 - 1:45 PM

A Study of Silicon Wafer with SRP Technique

Speaker
Mr Sakdinan Naeosuphap

1:45 - 2:00 PM

Deuteron production from phase-space coalescence in the GSI/FAIR energy regime

Speaker
Ms Sukanya Sombun

2:00 - 2:15 PM

Implication of heavy-quark symmetry in chiral Lagrangian of nucleon, D meson and charmed baryon

Speaker
Thananuwat Suyuporn

2:15 - 2:30 PM

Dual formulation of covariant duality-symmetric action of D3-brane

Speaker
Pichet Vanichchamongjaroen

2:30 - 2:45 PM

Neutrino-antineutrino oscillation

Speaker
Mr Bayu Dirgantara

2:45 PM