

Session Program

21-23 May 2018

Siam Physics Congress 2018

A15: Atomics

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

Tuesday 22 May

10:45

A15: Atomics

Session | **Location:** Phetchabun Room | **Conveners:** Dr Ketwalee Yongram, Dr Nattapong Yongram

10:45-11:00

Correlation of Isentropic Compressibility of Biodiesel to Its Saponification Number and Iodine Value

Speaker

Suriya Phankosol

11:00-11:15

A study of two qubits system with Quantum operator formalism

Speaker

Ms Siriratchanee Thammasuwan

11:15-11:30

SPECTRAL ANALYSIS OF 1-PARAMETER FAMILY NEWTON'S EQUIVALENT HAMILTONIAN WITH SQUARE WELL POTENTIALS

Speaker

Amornthep Tita

11:30-11:45

An investigation of relationships between the usual Quantum Harmonic Oscillator and its one-parameter family version

Speaker

Sujiphat Janaun

11:45-12:00

Effect of depolarizing noise on entangled photons

Speaker

Ruchipas Bavontaweepanya

12:00-12:15

The Stark Effect of Barium atoms in Rydberg states

Speakers

Sorawich Maichum, Tanakrit Mamee

12:15

13:15

A15: Atomics

Session | **Location:** Phetchabun Room | **Convener:** Dr Thana James Sutthibutpong

13:15-13:30

Qubit tomography with limited resources of continuous weak measurement and qubit controls

Speaker

Mr Teerawat Chalermputitarak

13:30-13:45

Calculation of Wave Function and Energy Levels of Muonic Atom

Speaker

Mr Hanafée Pohmah

13:45-14:00

Temporal Auto-Correlation Function Pushed to One Pixel Limit

Speaker

Mr Sorawich Maichum

14:00-14:15**Spectral Pattern of a Complex Potential Guide****Speakers**

Mr Nontaphat Sinsuntithet, Mr Watcharakiart Insri

14:15-14:30**Gibbs Energy Additivity Approaches in Estimation of Density of Fatty Acids****Speaker**

Mr Natakron Sirimongkolgal

14:45