

## **Session Program**

**25-30 Sept 2016**



## **22nd International Spin Symposium**

### ***Beyond SM***

iHotel Conference Center , General  
1900 South First Street Champaign, IL 61820 USA

# Monday 26 September

11:05

## Beyond SM: Parallel I

**Session** | **Location:** Innovation | **Convener:** Buddhini Waidyawansa

11:05–11:30

### Searching for dark matter with atoms, nuclei and ultracold neutrons

**Speaker**

Yevgeny Stadnik

11:30–11:55

### Parity Violation in Deep Inelastic Scattering with the SoLID Spectrometer at Jlab

**Speaker**

Yuxiang Zhao

11:55–12:20

### Towards atomic parity violation measurements in laser-trapped francium

**Speaker**

Gerald Gwinner

12:20–12:45

### The role of spin in $n$ - $\bar{n}$ transformations

**Speaker**

Susan Gardner

12:55

## Tuesday 27 September

09:00

### Beyond SM: Parallel IV

**Session** | **Location:** Innovation | **Convener:** David Kawall

09:00–09:25

#### Electric Dipole Moment Measurements at Storage Rings

##### Speaker

Joerg Pretz

09:25–09:50

#### Search for a permanent electric dipole moment of $^{129}\text{Xe}$

##### Speaker

Stefan Zimmer

09:50–10:15

#### The neutron electric dipole moment (nEDM) experiment at the Spallation Neutron Source

##### Speaker

Zhaowen Tang

10:15–10:40

#### Neutron EDM measurement at PSI

##### Speaker

Michal Rawlik

10:40

11:05

### Beyond SM: Parallel V

**Session** | **Location:** Innovation | **Convener:** Buddhini Waidyawansa

11:05–11:30

#### Improved limit on the radium-225 electric dipole moment

##### Speaker

Peter Mueller

11:30–11:55

#### The PULSTAR systematic studies test apparatus for the SNS neutron electric dipole moment experiment

##### Speaker

Kent Leung

11:55–12:20

#### The Muon g-2 Experiment at Fermilab

##### Speaker

David Flay

12:20–12:45

#### Measurement of muon g-2 and EDM with ultra-cold muon beam at J-PARC

##### Speaker

Tsutomu Mibe

12:45–13:10

#### Preparation for the Time Reversal Invariance experiment at COSY (TRIC)

##### Speaker

Yury Valdau

13:10

14:30

**Beyond SM: Parallel VI****Session** | **Location:** Innovation | **Convener:** David Kwall**14:30–14:55** **Parity Violation and Rare Higgs Decays from a Dark Force****Speaker**

Hooman Davoudiasl

**14:55–15:20** **A direct measurement of the proton's weak charge****Speaker**

Marty McHugh

**15:20–15:45****The P2 experiment: A high precision determination of the weak mixing angle  $\sin^2\theta_W$** **Speaker**

Sebastian Baunack

**15:45–16:10****The MOLLER Experiment- Parity-Violating Møller Scattering at Jefferson Lab****Speaker**

Rakitha Sanjeewa Beminiwattha

**16:10–16:35** **Precise Measurement of Muonium HFS at J-PARC MUSE****Speaker**

Yasuhiro Ueno

16:35