

**Session Program**

**20-26 Nov 2013**

**PASCOS 2013: 19th International Symposium  
on Particles, Strings, and Cosmology**

***Parallel Sessions: HIGGS/Exp-Theory, HIGGS/  
Theory2, HIGGS/Exp2***

GIS conference center  
Taipei, Taiwan

# Thursday 21 November

13:30

## Parallel Sessions: HIGGS/Exp-Theory, HIGGS/Theory2, HIGGS/Exp2: 21B1a, 21B2a, 21C1a

**Session** | **Location:** GIS Conference Center, Plato (A03) | **Conveners:**  
Chung Kao, Dr Jusak Tandean, Nicolas Pierre Chanon, Prof. Chung Kao

### 13:30–13:50 Search for non--SM Higgs bosons with CMS

#### Speakers

C. Asawatangtrakuldee, Chayanit Asawatangtrakuldee

#### Location

GIS Conference Center, Plato (A03)

### 13:50–14:10

### Beyond-the-standard model Higgs physics using the ATLAS experiment

#### Speaker

Ashutosh Kotwal

#### Location

GIS Conference Center, Plato (A03)

### 14:10–14:30 Searches for rare decays of the Higgs boson with the ATLAS detector

#### Speakers

Antonio Baroncelli, Toni Baroncelli

#### Location

GIS Conference Center, Plato (A03)

### 14:30–14:50 Future prospects for Higgs measurements with CMS

#### Speaker

Olivier Bondu

#### Location

GIS Conference Center, Plato (A03)

### 14:50–15:10

### Measurements with electroweak gauge bosons and searches for Higgs-like particles at LHCb

#### Speaker

Xabier Cid Vidal

#### Location

GIS Conference Center, Plato (A03)

### 15:10–15:30 Searches for low-mass Higgs and dark-sector bosons at BaBar

#### Speaker

Kevin Flood

#### Location

GIS Conference Center, Plato (A03)

### 15:30–16:00 Coffee Break

16:00–16:20

**Multi-Higgs doublet models with spontaneous Higgs symmetry breaking****Speaker**

Chaehyun Yu

**Location**

GIS Conference Center, Plato (A03)

16:20–16:40

**The modified Higgs potential and the new physics at the collider****Speaker**

Takuya Kakuda

**Location**

GIS Conference Center, Plato (A03)

16:40–17:00

**Higgs-dilaton mixing with  $SU(3) \times SU(2) \times U(1)$  invariant form of the trace of the energy-momentum tensor****Speaker**

Dr Dong-Won Jung

**Location**

GIS Conference Center, Plato (A03)

17:00–17:20

**Higgs pair-production at the LHC & ILC from general potential****Speakers**

Y. Mimura, Yukihiro Mimura

**Location**

GIS Conference Center, Plato (A03)

17:20–17:40

**Scalar leptoquarks and Higgs pair production at the LHC****Speaker**

Enkhbat Tsendenbaljir

**Location**

GIS Conference Center, Plato (A03)

17:40–19:30

**Dinner**

19:30–19:50

**Individual and combined measurements of the spin and parity properties of the Higgs boson using the ATLAS detector****Speaker**

Roberto Di Nardo

**Location**

GIS Conference Center, Plato (A03)

19:50–20:10

**Higgs as a probe of supersymmetric grand unification with the Hosotani mechanism****Speaker**

Mr Hiroyuki TANIGUCHI

**Location**

GIS Conference Center, Plato (A03)

20:10–20:30 **Higgs to di-photon decay rate in supersymmetry without R-parity**

**Speaker**

Dr Rishikesh VAIDYA

**Location**

GIS Conference Center, Plato (A03)

20:30–20:50 **A little more gauge mediation and the light Higgs mass**

**Speaker**

Mr V. Suryanarayan MUMMIDI

**Location**

GIS Conference Center, Plato (A03)

20:50–21:10 **126GeV Higgs in next-to-minimal universal extra dimensions**

**Speaker**

Seongchan Park

**Location**

GIS Conference Center, Plato (A03)

21:10