

## Session Program

13-18 Dec 2015



## 28th Texas Symposium on Relativistic Astrophysics

### ***18 - Gal. accel. & pulsars***

International Conference Centre Geneva  
17 Rue de Varembé, 1211 Geneva

# Monday 14 December

14:00

## 18 - Gal. accel. & pulsars: Galactic accelerators

**Session** |

**Location:** International Conference Centre Geneva, Level 0, Room 23, 17 Rue de Varembe, 1211 Geneva |

**Convener:** Marco Tavani

14:00-14:20

### H.E.S.S. Observations of the Large Magellanic Cloud

**Speaker**

Nukri Komin

14:20-14:45

### Galactic Science with the Cherenkov Telescope Array

**Speaker**

Dr Thierry Stolarczyk

14:45-15:05

### Modeling Bright Gamma-ray and Radio Emission from Fast Cloud Shocks at Middle-aged SNRs

**Speaker**

Dr Shiu Hang (Herman) Lee

15:05-15:25

### Multiwavelength observations of gamma-ray loud binaries

**Speaker**

Maria Chernyakova

15:25-15:45

### Particle acceleration in Eta Carinae: the expected and unexpected

**Speaker**

Matteo Balbo

15:45

16:15

## 18 - Gal. accel. & pulsars: Galactic accelerators

**Session** | **Location:** International Conference Centre Geneva, Level 0, Room 23 | **Convener:** Marco Tavani

16:15-16:35

### Pulsar observations with the MAGIC telescopes

**Speaker**

Dr Takayuki Saito

16:35-16:55

### The intriguing double torus-jet PWN around PSR J0855-4644

**Speaker**

Chandreyee Maitra

16:55-17:15

### A Pulsar Wind Nebula Origin for Luminous TeV Source HESS J1640-465

**Speaker**

Joseph D Gelfand

17:15-17:35

### First-order Fermi acceleration at pulsar wind termination shock.

**Speaker**

Mr Simone Giacche`

17:35-17:55

**Rapid particle acceleration at perpendicular shocks**

**Speaker**

John Kirk

17:55-18:15

**Kinetic simulations of relativistic harmonic magnetic equilibria**

**Speaker**

Dr Krzysztof Nalewajko

18:15-18:18

**Multipolar electromagnetic fields around neutron stars: exact vacuum solutions and related properties.**

**Speaker**

Jérôme Pétri

18:18-18:45

**gap**

18:45

## Tuesday 15 December

14:00

### 18 - Gal. accel. & pulsars: Pulsars

**Session** | **Location:** International Conference Centre Geneva, Level 0, Room 23 | **Convener:** Marco Tavani

14:00-14:21

#### Numerical Models For Superfluid Neutron Stars With Realistic Equation Of State And Application To Pulsar Glitches

**Speaker**

Aurélien Sourie

14:21-14:42

#### Multi-scale modelling of pulsar glitches

**Speaker**

Brynmor Haskell

14:42-15:02

#### The role of general relativity and reconnection in pulsar radiation

**Speaker**

Benoit Cerutti

15:02-15:22

#### The shape of a pulsar radio beam: fan beams, not the nested cones.

**Speaker**

Dr Jaroslaw Dyks

15:22-15:42

#### A new view on the Lighthouse Nebula, IGR J11014-6103

**Speaker**

Lucia Pavan

15:42-15:45

#### A model for distortions of polarisation angle in radio pulsars

**Speaker**

Lab Saha

15:45

16:15

### 18 - Gal. accel. & pulsars: Pulsars

**Session** | **Location:** International Conference Centre Geneva, Level 0, Room 23 | **Convener:** Marco Tavani

16:15-16:35

#### Progress on the knowledge of magnetic fields in neutron stars

**Speaker**

Norbert ScharTEL

16:35-16:55

#### General-relativistic pulsars magnetospheres

**Speaker**

Jérôme Pétri

16:55-17:15

#### Relativistic pulsar winds: structure, shocks, reconnection.

**Speaker**

Maxim Lyutikov

17:15-17:35

#### PICsar: Particle in Cell Pulsar Simulations

**Speaker**  
Mikhail Belyaev

17:35-17:55

**Effect of geodetic precession on the evolution of pulsar high-energy pulse profiles as derived with the striped-wind model.**

**Speaker**  
Jérôme Pétri

17:55-17:58

**The Crab pulsar: Examining its profile and deriving high precision X-ray ephemerides**

**Speaker**  
Guillaume Belanger

17:58-18:45 **gap**

18:45