

Session Program

Dec 13 - 18, 2015



28th Texas Symposium on Relativistic Astrophysics

18 - Gal. accel. & pulsars

International Conference Centre Geneva
17 Rue de Varembé, 1211 Geneva

Mon, December 14

2:00 PM

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

3:45 PM

4:15 PM

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**

6:45 PM

Tue, December 15

2:00 PM

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

3:45 PM

4:15 PM

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 Scharrel

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**

6:45 PM