

Session Program

4-9 Dec 2015



28th Texas Symposium on Relativistic Astrophysics

18 - Gal. accel. & pulsars

International Conference Centre Geneva
17 Rue de Varembé, 1211 Geneva

Saturday 5 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

Sunday 6 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 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

18:45