

Session Program

4-9 Dec 2015



28th Texas Symposium on Relativistic Astrophysics

19 - VHE & CR

International Conference Centre Geneva
17 Rue de Varembé, 1211 Geneva

Sunday 6 December

14:00

19 - VHE & CR: Blazars and EBL

Session |

Location: International Conference Centre Geneva, Level 0, Room 4, 17 Rue de Varembe, 1211 Geneva |

Convener: Teresa Montaruli

14:00-14:21

Probing the Extragalactic Background Light with VERITAS

Speaker

Elisa Kay Pueschel

14:21-14:42

Broadband characterisation and physical implications from the most extreme X-ray flaring activity of the high-peaked BL Lac Mrk 501

Speaker

Josefa Becerra Gonzalez

14:42-15:03

Very fast TeV gamma-ray variability from the non-aligned AGN IC 310: Insight into Black Hole Lightnings

Speaker

Pierre Colin

15:03-15:24

A bright gamma-ray flare from the blazar B2 1215+30 detected by VERITAS and Fermi-LAT

Speaker

Floriana Zefi

15:24-15:45

Non-thermal particle acceleration in astrophysical shear flows.

Speaker

Frank Rieger

15:45

16:15

19 - VHE & CR: Blazars and EBL

Session | **Location:** International Conference Centre Geneva, Level 0, Room 4 | **Convener:** Elisa Prandini

16:35-16:55

FACT: Monitoring TeV Blazars with Silicon Photomultipliers

Speaker

Gareth Hughes

16:55-17:15

MWL characterization of the blazar S5 0716+714 by MAGIC during its brightest outburst

Speaker

Dr Marina Manganaro

17:15-17:35

The first detection of the blazar S4 0954+65 at very-high energies with the MAGIC Telescopes during an exceptionally high optical state

Speaker

Giovanna Pedalletti

17:35-17:55

Flat spectrum radio quasars at very high energies: the new detection of PKS 1441+25

Speaker

Josefa Becerra Gonzalez

17:55-18:15

Evidence for quasi-periodic modulation in the gamma-ray blazar PG 1553+113

Speaker

Antonio Stamerra

18:15-18:35

Multi-wavelength observations on the gamma-ray periodic blazar PG1553+113

Speaker

Gareth Hughes

18:35-18:38

The long-term optical study of VHE blazars

Speaker

Omar Kurtanidze

18:38-18:45

gap

18:45

Monday 7 December

14:00

19 - VHE & CR: VHE observations

Session | **Location:** International Conference Centre Geneva, Level 0, Room 4 | **Convener:** Teresa Montaruli

14:00–14:25 The H.E.S.S. Extragalactic Sky

Speaker

Jill Chevalier

14:25–14:50 MAGIC latest results

Speaker

Oscar Blanch

14:50–15:15 Recent Science Highlights from VERITAS

Speaker

John Quinn

15:15–15:45 Exploring the TeV Universe with HAWC

Speaker

Dr Robert Lauer

15:45

16:15

19 - VHE & CR: VHE observations

Session | **Location:** International Conference Centre Geneva, Level 0, Room 4 | **Convener:** Elisa Prandini

16:15–16:40 Extragalactic science with the Cherenkov Telescope Array

Speaker

Lucie Gerard

16:40–17:00

The SST-1M Project of the Cherenkov Telescope Array: Status and Physics Perspectives

Speaker

Matthieu Heller

17:00–17:20

ASTRI SST-2M prototype and ASTRI mini-array data analysis and scientific prospects in the framework of the Cherenkov Telescope Array

Speaker

Dr Saverio Lombardi

17:20–17:45

Multiwavelength Spectral and Polarization Signatures of Shocks in Relativistic Jets

Speaker

Markus Boettcher

17:45–18:10

Time-dependent Pair Halo Emission from Very-High-Energy Gamma-Ray Sources

18:45	Speaker Foteini Oikonomou
	18:10-18:45 gap

Tuesday 8 December

14:00

19 - VHE & CR: CR and astrophysical neutrinos

Session | **Location:** International Conference Centre Geneva, Level 0, Room 4 | **Convener:** Teresa Montaruli

14:00–14:25

Correlated neutrino and photon emission during γ -ray flares from the blazar Mrk 421

Speaker

Dr Maria Petropoulou

14:25–14:45

Diagnose the Sources of IceCube Neutrinos with Fermi Observation

Speaker

Zhuo Li

14:45–15:05

Searches for ultra-high energy neutrinos and photons with the Pierre Auger Observatory

Speaker

Foteini Oikonomou

15:05–15:25

Recent results from the ANTARES deep-sea neutrino telescope

Speaker

Dr Daniele VIVOLO

15:25–15:45

Exploring the Ultra High Energy Cosmic Rays with the Pierre Auger Observatory

Speaker

Sergio Petrerá

15:45

16:15

19 - VHE & CR: CR and astrophysical neutrinos

Session | **Location:** International Conference Centre Geneva, Level 0, Room 4 | **Convener:** Matthieu Heller

16:15–16:35

Study of the galactic cosmic ray energy spectrum with the ARGO-YBJ experiment

Speaker

Antonio Surdo

16:35–16:55

The universal model of cosmic ray production

Speaker

Jörg Paul Rachen

16:55–17:15

Theoretical uncertainties in extracting cosmic ray diffusion parameters: the boron to carbon ratio

Speaker

yoann genolini

17:15-17:35

Escape model: CR composition and diffuse gamma-ray and neutrino backgrounds

Speaker

Michael Kachelriess

17:35-17:38

spectrum of primary cosmic ray electrons

Speaker

Dr Rafik Sedrati

17:38-17:41

A Uniformly Selected, All-Sky Optical AGN Catalog for UHECR Correlation

Speaker

Ingyin Zaw

17:41-18:45

gap

18:45