

SciNeGHE 2014

Report of Contributions

Contribution ID: 0

Type: **not specified**

From galactic stellar populations to the EBL

Wednesday, 4 June 2014 10:00 (30 minutes)

Presenter: FRANCESCHINI, Alberto (Univ. Padova)

Session Classification: Session 2: Photon propagation and cosmology; background photons in the intergalactic medium

Contribution ID: 1

Type: **not specified**

EBL from galaxy evolution

Wednesday, 4 June 2014 10:30 (30 minutes)

Presenter: DOMINGUEZ, Alberto (Univ. of California at Riverside)

Session Classification: Session 2: Photon propagation and cosmology; background photons in the intergalactic medium

Contribution ID: 2

Type: **not specified**

EBL signature on VHE gamma photons

Wednesday, 4 June 2014 11:00 (30 minutes)

Presenter: MAZIN, Daniel (MPI Munich)

Session Classification: Session 2: Photon propagation and cosmology; background photons in the intergalactic medium

Contribution ID: 3

Type: **not specified**

VHE photon propagation and determination of the cosmological constants

Wednesday, 4 June 2014 11:30 (30 minutes)

Presenter: BLANCH, Oscar (IFAE, Barcelona)

Session Classification: Session 2: Photon propagation and cosmology; background photons in the intergalactic medium

Contribution ID: 4

Type: **not specified**

Intergalactic magnetic fields

Wednesday, 4 June 2014 12:00 (30 minutes)

Presenter: NERONOV, Andrii (Univ. of Geneva)

Session Classification: Session 2: Photon propagation and cosmology; background photons in the intergalactic medium

Contribution ID: 5

Type: **not specified**

Cosmological magnetic fields

Presenter: DOLAG, Klaus (Max-Planck Institut für Astrophysik, Munich)

Contribution ID: 6

Type: **not specified**

ASTRI Mini-Array

Wednesday, 4 June 2014 17:15 (30 minutes)

Presenter: CATALANO, Osvaldo (INAF/IASF Palermo)

Session Classification: Session 1a - Almost present and future gamma detectors; their role for fundamental physics

Contribution ID: 7

Type: **not specified**

Lhaaso

Presenter: ZHEN, Cao (Institute of High Energy Physics, Beijing)

Contribution ID: 8

Type: **not specified**

Photon-ALP conversion in intergalactic space

Wednesday, 4 June 2014 14:45 (45 minutes)

Presenter: HORNS, Dieter (Univ. of Hamburg)

Session Classification: Session 3 - Axions, ALPa and so on; interactions of astrophysical photons

Contribution ID: 9

Type: **not specified**

Introduction to ALPs and review of laboratory-based experiments for ALP detection

Wednesday, 4 June 2014 14:00 (45 minutes)

Presenter: LINDNER, Axel (DESY Hamburg)

Session Classification: Session 3 - Axions, ALPa and so on; interactions of astrophysical photons

Contribution ID: 10

Type: **not specified**

Photon-ALP conversions inside AGN

Wednesday, 4 June 2014 15:30 (35 minutes)

Presenter: TAVECCHIO, Fabrizio (INAF Brera)

Session Classification: Session 3 - Axions, ALPa and so on; interactions of astrophysical photons

Contribution ID: 11

Type: **not specified**

Neutrinos and the hadronic component of CR

Thursday, 5 June 2014 14:00 (30 minutes)

Presenter: BERNARDINI, Elisa (DESY Zeuthen)

Session Classification: Session 6a - Synergies of VHE gamma detectors with different wavelengths and messengers

Contribution ID: 12

Type: **not specified**

Anisotropy of CR: indications for gamma rays?

Thursday, 5 June 2014 17:35 (30 minutes)

Presenter: TABOADA, Ignacio (Georgia Tech)

Session Classification: Session 6b - Synergies of VHE gamma detectors with different wavelengths and messengers

Contribution ID: 13

Type: **not specified**

Pulsars, gamma rays and GW

Presenter: RAZZANO, Massimiliano (Univ. of Pisa)

Contribution ID: 14

Type: **not specified**

Fermi-LAT review - lines in particular

Friday, 6 June 2014 14:10 (40 minutes)

Presenter: LATRONICO, Luca (INFN Torino)

Session Classification: Session 5b - Search for WIMP signatures

Contribution ID: 15

Type: **not specified**

Review of Dark Matter searches with Cherenkov telescopes

Friday, 6 June 2014 14:50 (40 minutes)

Presenter: RICO, Javier (IFAE Barcelona)

Session Classification: Session 5b - Search for WIMP signatures

Contribution ID: 16

Type: **not specified**

CTA

Wednesday, 4 June 2014 16:45 (30 minutes)

Presenter: COTTER, Garret (Oxford University)

Session Classification: Session 1a - Almost present and future gamma detectors; their role for fundamental physics

Contribution ID: 17

Type: **not specified**

HAWC

Wednesday, 4 June 2014 17:45 (30 minutes)

Presenter: TABOADA, Ignacio (Georgia Tech)

Session Classification: Session 1a - Almost present and future gamma detectors; their role for fundamental physics

Contribution ID: 18

Type: **not specified**

Propagation and Acceleration of CR: what gamma rays can say

Thursday, 5 June 2014 14:30 (30 minutes)

Presenter: ALOISIO, Roberto (Laboratori Nazionali del Gran Sasso, l'Aquila)

Session Classification: Session 6a - Synergies of VHE gamma detectors with different wavelengths and messengers

Contribution ID: 19

Type: **not specified**

Gamma ray astronomy with ARGO-YBJ

Thursday, 5 June 2014 15:30 (30 minutes)

Presenter: DI GIROLAMO, Tristano (INFN Napoli)

Session Classification: Session 6a - Synergies of VHE gamma detectors with different wavelengths and messengers

Contribution ID: 20

Type: **not specified**

Present and future ground-based gamma-ray experiments and the study of the cosmic-ray energy spectra and composition; synergies with gamma rays

Thursday, 5 June 2014 16:25 (40 minutes)

Presenter: HAUNGS, Andreas (KIT, Karlsruhe)

Session Classification: Session 6b - Synergies of VHE gamma detectors with different wavelengths and messengers

Contribution ID: 21

Type: **not specified**

Composition: synergies with gamma-rays

Presenter: HAUNGS, Andreas (KIT, Karlsruhe)

Contribution ID: 22

Type: **not specified**

The radio/gamma connection

Presenter: TBC

Contribution ID: 23

Type: **not specified**

Gravitational waves and high-energy photons: the multi messenger connection / High-energy pulsars from gamma rays to gravitational waves

Thursday, 5 June 2014 18:05 (1 hour)

Presenter: RAZZANO, Massimiliano (INFN and University of Pisa)

Session Classification: Session 6b - Synergies of VHE gamma detectors with different wavelengths and messengers

Contribution ID: 24

Type: **not specified**

Gamma ghosts & lensing

Thursday, 5 June 2014 19:05 (25 minutes)

Presenter: BUSON, Sara (Univ. Padova)

Session Classification: Session 6b - Synergies of VHE gamma detectors with different wavelengths and messengers

Contribution ID: 25

Type: **not specified**

DAMPE (and HERD)

Friday, 6 June 2014 09:40 (30 minutes)

Presenter: AMBROSI, Giovanni (INFN Perugia)

Session Classification: Session 1b - Almost present and future gamma detectors; their role for fundamental physics

Contribution ID: 26

Type: **not specified**

AUGER: Present results and possible futures

Thursday, 5 June 2014 17:05 (30 minutes)

Presenter: PIMENTA, Mário (LIP and IST, Lisboa)

Session Classification: Session 6b - Synergies of VHE gamma detectors with different wavelengths and messengers

Contribution ID: 27

Type: **not specified**

Gamma400

Friday, 6 June 2014 10:10 (30 minutes)

Presenter: ADRIANI, Oscar (University of Firenze)

Session Classification: Session 1b - Almost present and future gamma detectors; their role for fundamental physics

Contribution ID: 28

Type: **not specified**

Measurements of cosmic ray electrons and positrons - current status and perspectives

Friday, 6 June 2014 11:10 (30 minutes)

Presenter: MOISEEV, Alexander (CRESST/NASA Goddard Space Flight Center and University of Maryland, College Park)

Session Classification: Session 4 - Exotics and antimatter

Contribution ID: 29

Type: **not specified**

Antimatter search in the cosmic ray flux with ground-based experiments

Friday, 6 June 2014 11:40 (25 minutes)

Presenter: IUPPA, Roberto (Univ. Roma Tor Vergata)

Session Classification: Session 4 - Exotics and antimatter

Contribution ID: **30**

Type: **not specified**

Search for primordial black hole evaporation

Presenter: TBD

Contribution ID: 31

Type: **not specified**

LCDM, successes and flaws

Presenter: TBD

Contribution ID: 32

Type: **not specified**

Review of LCDM and implications for indirect detection / The dark matter distribution in WDM and mixed DM models

Friday, 6 June 2014 12:05 (55 minutes)

Presenter: DIEMAND, Juerg (Institute for Computational Sciences, Univ.Zürich,Switzerland)

Session Classification: Session 5a - Search for WIMP signatures

Contribution ID: 33

Type: **not specified**

Complementarity between collider, direct detection, and indirect detection experiments

Friday, 6 June 2014 15:30 (30 minutes)

Presenter: CAHILL-ROWLEY, Matthew (SLAC)

Session Classification: Session 5b - Search for WIMP signatures

Contribution ID: **34**

Type: **not specified**

Heavy DM

Presenter: TBD

Contribution ID: 35

Type: **not specified**

Constraints on WIMP annihilation for contracted Dark Matter in the inner Galaxy with gamma-rays

Friday, 6 June 2014 16:00 (30 minutes)

Presenter: MORSELLI, Aldo (INFN Roma Tor Vergata)

Session Classification: Session 5b - Search for WIMP signatures

Contribution ID: 36

Type: **not specified**

Gamma-ray anisotropies with the Cherenkov Telescope Array

Friday, 6 June 2014 16:30 (30 minutes)

Presenter: FORNASA, Mattia (School of Physics and Astronomy University of Nottingham)

Session Classification: Session 5b - Search for WIMP signatures

Contribution ID: 37

Type: **not specified**

HESS and galactic accelerators

Thursday, 5 June 2014 15:00 (30 minutes)

Presenter: CHAVES, Ryan (Univ. Montpellier)

Session Classification: Session 6a - Synergies of VHE gamma detectors with different wavelengths and messengers

Contribution ID: **38**

Type: **not specified**

Solar panels as cosmic ray detectors

Friday, 6 June 2014 09:00 (20 minutes)

Presenter: STELLA, Carlo (INFN and Univ. Trieste)

Session Classification: Contributed Talks

Contribution ID: 39

Type: **not specified**

Discrimination of gamma/proton primaries using the EAS muon content for IACTs

Friday, 6 June 2014 09:20 (20 minutes)

Presenter: CONCEIÇÃO, Ruben (LIP)

Session Classification: Contributed Talks

Contribution ID: 40

Type: **not specified**

The GAMMA-400 gamma-ray telescope characteristics. Angular resolution and electrons/protons separation.

Thursday, 5 June 2014 09:00 (20 minutes)

Presenter: LEONOV, Alexey (MPhNI, Moscow)

Session Classification: Contributed Talks

Contribution ID: 41

Type: **not specified**

Measurements and tests on FBK silicon sensors with an optimized electronic design for a CTA camera

Presenter: GIORDANO, Francesco (INFN Bari)

Contribution ID: 42

Type: **not specified**

Study of a Cherenkov camera demonstrator for CTA

Presenter: GIGLIETTO, Nicola (INFN Bari)

Contribution ID: 43

Type: **not specified**

The Gamma-ray Milky Way above 10 GeV: Distinguishing Sources from Diffuse Emission

Thursday, 5 June 2014 09:20 (20 minutes)

Presenter: OWEN, Ellis (Max Planck Institute für Kernphysik)

Session Classification: Contributed Talks

Contribution ID: 44

Type: **not specified**

High-energy particle acceleration and gamma-ray emission in colliding-wind binaries

Thursday, 5 June 2014 09:40 (20 minutes)

Presenter: REITBERGER, Klaus (Institute for astro and particle physics - University of Innsbruck)

Session Classification: Contributed Talks

Contribution ID: 45

Type: **not specified**

Photon search at the Pierre Auger Observatory

Thursday, 5 June 2014 10:00 (20 minutes)

Presenter: LU, Lu (Univ. Leeds)

Session Classification: Contributed Talks

Contribution ID: 46

Type: **not specified**

A statistical approach to the study of blazar jet emission

Thursday, 5 June 2014 11:50 (20 minutes)

Presenter: BIASUZZI, Barbara (INFN and Univ. Udine)

Session Classification: Contributed Talks

Contribution ID: 47

Type: **not specified**

Search for extended gamma-ray halos around AGN with VERITAS

Thursday, 5 June 2014 10:20 (20 minutes)

Presenter: PUESCHEL, Elisa (Univ. College, Dublin)

Session Classification: Contributed Talks

Contribution ID: 48

Type: **not specified**

Gamma-ray Astrophysics and GRB studies with AGILE

Thursday, 5 June 2014 11:10 (20 minutes)

Presenter: LONGO, Francesco (INFN Trieste)

Session Classification: Contributed Talks

Contribution ID: 49

Type: **not specified**

Delayed Photons as Signature for a Black Hole

Presenter: NICOLAIDIS, Argyris (Univ. Thessaloniki)

Contribution ID: 50

Type: **not specified**

Hints for an axion-like particles from PKS 1222+216?

Thursday, 5 June 2014 11:30 (20 minutes)

Presenter: GALANTI, Giorgio (Univ. Insubria)

Session Classification: Contributed Talks

Contribution ID: 51

Type: **not specified**

Study of a Cherenkov camera demonstrator for CTA

Wednesday, 4 June 2014 18:15 (20 minutes)

Presenter: GIGLIETTO, Nicola (INFN Bari)

Session Classification: Contributed talks

Contribution ID: 52

Type: **not specified**

Measurements and tests on FBK silicon sensors with an optimized electronic design for a CTA camera

Wednesday, 4 June 2014 18:35 (20 minutes)

Presenter: GIORDANO, Francesco (INFN Bari)

Session Classification: Contributed talks