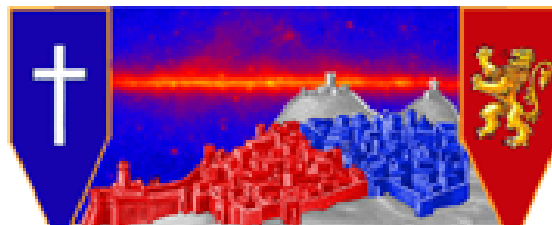
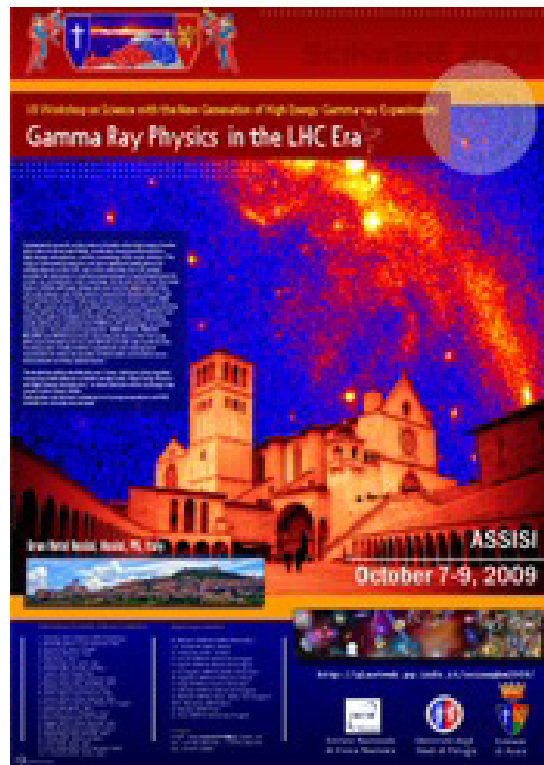


VII Science with the New Generation of High Energy Gamma-ray Experiments: Gamma Ray Physics in the LHC Era



Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome by the Dean of the Perugia University Physics Department and Science Faculty

Wednesday, 7 October 2009 09:15 (15 minutes)

Primary author: Prof. MANTOVANI, Giancarlo (University & INFN Perugia)

Presenter: Prof. MANTOVANI, Giancarlo (University & INFN Perugia)

Session Classification: Session 00 - Introduction

Contribution ID: 1

Type: **not specified**

The Fermi Large Area Telescope: Highlights from the first year on orbit

Wednesday, 7 October 2009 09:30 (30 minutes)

Primary author: RAINÒ, Silvia (University & INFN Bari)

Presenter: RAINÒ, Silvia (University & INFN Bari)

Session Classification: Session 01 - DM: Gamma-ray Experiments (Space & Ground)

Contribution ID: 2

Type: **not specified**

The gamma-ray sky seen with H.E.S.S.

Wednesday, 7 October 2009 10:00 (30 minutes)

Primary author: NAUMANN-GODÓ, Melitta (CEA Saclay)

Presenter: NAUMANN-GODÓ, Melitta (CEA Saclay)

Session Classification: Session 01 - DM: Gamma-ray Experiments (Space & Ground)

Contribution ID: 3

Type: **not specified**

The gamma-ray sky seen by AGILE

Wednesday, 7 October 2009 11:00 (30 minutes)

Primary author: STRIANI, Edoardo (INFN Roma2 & IASF-INAF Roma)

Presenter: STRIANI, Edoardo (INFN Roma2 & IASF-INAF Roma)

Session Classification: Session 01 - DM: Gamma-ray Experiments (Space & Ground)

Contribution ID: 4

Type: **not specified**

The PAMELA Space Mission for Antimatter and Dark Matter Searches in Cosmic Rays

Wednesday, 7 October 2009 11:30 (30 minutes)

Primary author: CAFAGNA, Francesco (INFN Bari)

Presenter: CAFAGNA, Francesco (INFN Bari)

Session Classification: Session 02- DM: Cosmic-ray experiments (Space)

Contribution ID: 5

Type: **not specified**

Astroparticle physics with AMS02

Wednesday, 7 October 2009 12:00 (30 minutes)

Primary author: INCAGLI, Marco (INFN Pisa)

Presenter: INCAGLI, Marco (INFN Pisa)

Session Classification: Session 02- DM: Cosmic-ray experiments (Space)

Contribution ID: 6

Type: **not specified**

Particle Dark Matter and DAMA/LIBRA

Wednesday, 7 October 2009 14:30 (30 minutes)

Primary author: INCICCHITTI, Antonella (INFN Roma1)

Presenter: INCICCHITTI, Antonella (INFN Roma1)

Session Classification: Session 03 - DM: Direct vs Indirect Searches

Contribution ID: 9

Type: **not specified**

Search for Dark Matter in the sky

Wednesday, 7 October 2009 14:00 (30 minutes)

Primary author: MORSELLI, Aldo (Tor Vergata Univ. & INFN Roma2)

Presenter: MORSELLI, Aldo (Tor Vergata Univ. & INFN Roma2)

Session Classification: Session 03 - DM: Direct vs Indirect Searches

Contribution ID: **10**

Type: **not specified**

Fermi and multi-frequency observations of blazars

Wednesday, 7 October 2009 16:30 (30 minutes)

Primary author: GIOMMI, Paolo (ASI)

Presenter: GIOMMI, Paolo (ASI)

Session Classification: Session 04 - Fermi blazars and diffuse emission

Contribution ID: 11

Type: **not specified**

Diagnostic of the peak frequencies in the SED of Fermi Blazars

Wednesday, 7 October 2009 17:00 (30 minutes)

Primary author: TRAMACERE, Andrea (SLAC & CIFS-INAF)

Presenter: TRAMACERE, Andrea (SLAC & CIFS-INAF)

Session Classification: Session 04 - Fermi blazars and diffuse emission

Contribution ID: 12

Type: **not specified**

Scientific highlights and status of the MAGIC Telescope

Thursday, 8 October 2009 09:00 (30 minutes)

Primary author: LOPEZ MOYA, Marcos (INFN Padova)

Presenter: LOPEZ MOYA, Marcos (INFN Padova)

Session Classification: Session 05 - DM: High Energy (Ground)

Contribution ID: 13

Type: **not specified**

Results of the ARGO-YBJ experiment at high altitude

Thursday, 8 October 2009 09:30 (30 minutes)

Primary author: CAMARRI, Paolo (Tor Vergata Univ. & INFN Roma2)

Presenter: CAMARRI, Paolo (Tor Vergata Univ. & INFN Roma2)

Session Classification: Session 05 - DM: High Energy (Ground)

Contribution ID: 14

Type: **not specified**

Recent Results from MILAGRO

Thursday, 8 October 2009 10:00 (30 minutes)

Primary author: PRETZ, John (Los Alamos Nat. Lab.)

Presenter: PRETZ, John (Los Alamos Nat. Lab.)

Session Classification: Session 05 - DM: High Energy (Ground)

Contribution ID: 15

Type: **not specified**

Dark Matter & New Physics

Thursday, 8 October 2009 11:30 (30 minutes)

Primary author: MASIERO, Antonio (University & INFN Padova)

Presenter: MASIERO, Antonio (University & INFN Padova)

Session Classification: Session 06 - DM & New Physics

Contribution ID: 16

Type: **not specified**

Indirect Search for Dark Matter from the Milky Way center with the LAT

Friday, 9 October 2009 14:00 (30 minutes)

Primary author: VITALE, Vincenzo (Tor Vergata Univ. & INFN Roma2)

Presenter: VITALE, Vincenzo (Tor Vergata Univ. & INFN Roma2)

Session Classification: Session 09 - Fermi Pulsars & DM

Contribution ID: 17

Type: **not specified**

Detecting new very light bosons by Cherenkov telescopes

Thursday, 8 October 2009 12:00 (30 minutes)

Primary author: RONCADELLI, Marco (DFNT Univ. & INFN Pavia)

Presenter: RONCADELLI, Marco (DFNT Univ. & INFN Pavia)

Session Classification: Session 07 - DM: High Energy (Ground & Underground)

Contribution ID: **18**

Type: **not specified**

Dark matter searches with H.E.S.S.

Thursday, 8 October 2009 14:00 (30 minutes)

Primary author: OPITZ, Björn (Hamburg Univeristy)

Presenter: OPITZ, Björn (Hamburg Univeristy)

Session Classification: Session 07 - DM: High Energy (Ground & Underground)

Contribution ID: 19

Type: **not specified**

New born UHECR versus future Tau Neutrino Astronomy

Thursday, 8 October 2009 14:30 (30 minutes)

Primary author: FARGION, Daniele (La Sapienza Univ. & INFN Roma1)

Presenter: FARGION, Daniele (La Sapienza Univ. & INFN Roma1)

Session Classification: Session 07 - DM: High Energy (Ground & Underground)

Contribution ID: 20

Type: **not specified**

The Fermi observations of the gamma ray bursts

Friday, 9 October 2009 09:00 (30 minutes)

Primary author: MORETTI, Elena (University & INFN Trieste)

Presenter: MORETTI, Elena (University & INFN Trieste)

Session Classification: Session 08- Fermi GRBs & New Physics

Contribution ID: 21

Type: **not specified**

GRB090510: a short bright and hard GRB detected by Fermi

Friday, 9 October 2009 09:30 (30 minutes)

Primary author: DE PALMA, Francesco (University & INFN Bari)

Presenter: DE PALMA, Francesco (University & INFN Bari)

Session Classification: Session 08- Fermi GRBs & New Physics

Contribution ID: 22

Type: **not specified**

The Fermi Gamma-Ray Burst Monitor: results from the first year

Friday, 9 October 2009 10:00 (30 minutes)

Primary author: BISSALDI, Elisabetta (MPE Garching)

Presenter: BISSALDI, Elisabetta (MPE Garching)

Session Classification: Session 08- Fermi GRBs & New Physics

Contribution ID: 23

Type: **not specified**

High Energy Pulsars detection with Fermi LAT

Friday, 9 October 2009 11:30 (30 minutes)

Primary author: GIORDANO, Francesco (University & INFN Bari)

Presenter: GIORDANO, Francesco (University & INFN Bari)

Session Classification: Session 09 - Fermi Pulsars & DM

Contribution ID: 24

Type: **not specified**

Fermi measurements of diffuse gamma-ray emission: results at the first-year milestone

Wednesday, 7 October 2009 17:30 (30 minutes)

Primary author: TIBALDO, Luigi (University & INFN Padova)

Presenter: TIBALDO, Luigi (University & INFN Padova)

Session Classification: Session 04 - Fermi blazars and diffuse emission

Contribution ID: 25

Type: **not specified**

Measurement of the high energy cosmic ray electron spectrum with the Fermi Large Area Telescope

Friday, 9 October 2009 12:00 (30 minutes)

Primary author: LOPARCO, Francesco (INFN Bari)

Presenter: LOPARCO, Francesco (INFN Bari)

Session Classification: Session 09 - Fermi Pulsars & DM

Contribution ID: 26

Type: **not specified**

CTA: a project for a new generation of Cherenkov telescopes detector

Friday, 9 October 2009 14:30 (30 minutes)

Primary author: MARIOTTI, Mosè (University & INFN Padova)

Presenter: MARIOTTI, Mosè (University & INFN Padova)

Session Classification: Session 10 - The Future

Contribution ID: 27

Type: **not specified**

The AUGER Experiment

Thursday, 8 October 2009 15:00 (30 minutes)

Primary author: MARTELLO, Daniele (University of Salento)

Presenter: MARTELLO, Daniele (University of Salento)

Session Classification: Session 07 - DM: High Energy (Ground & Underground)

Contribution ID: **28**

Type: **not specified**

The HAWC Gamma-Ray Observatory

Friday, 9 October 2009 15:00 (30 minutes)

Primary author: SMITH, Andrew (University of Maryland)

Presenter: SMITH, Andrew (University of Maryland)

Session Classification: Session 10 - The Future

Contribution ID: 29

Type: **not specified**

Summary on Gamma-ray Astrophysics

Friday, 9 October 2009 16:00 (30 minutes)

Primary author: TESHIMA, Masahiro (MPG München)

Presenter: TESHIMA, Masahiro (MPG München)

Session Classification: Session 11 - Summary

Contribution ID: **31**

Type: **not specified**

Final remarks

Friday, 9 October 2009 16:30 (15 minutes)

Primary author: MORSELLI, Aldo (Tor Vergata Univ. & INFN Roma2)

Presenter: MORSELLI, Aldo (Tor Vergata Univ. & INFN Roma2)

Session Classification: Session 11 - Summary

Contribution ID: 33

Type: **not specified**

Understanding Dark Matter with Fermi and the CLUES Simulation

Thursday, 8 October 2009 11:00 (30 minutes)

Primary author: CAÑADAS, Beatriz (Autonoma de Madrid Univ. & INFN Roma2)

Presenter: CAÑADAS, Beatriz (Autonoma de Madrid Univ. & INFN Roma2)

Session Classification: Session 06 - DM & New Physics

Contribution ID: 34

Type: **not specified**

Fermi and other Gamma-ray Tests for Lorentz Invariance Violation and Quantum Gravity Models

Friday, 9 October 2009 11:00 (30 minutes)

Primary author: STECKER, Floyd W. (NASA Goddard Space Flight Center)

Presenter: STECKER, Floyd W. (NASA Goddard Space Flight Center)

Session Classification: Session 08- Fermi GRBs & New Physics

Contribution ID: 35

Type: **not specified**

Supersymmetric WIMPs: neutralinos and sneutrinos

Wednesday, 7 October 2009 15:00 (30 minutes)

Primary author: CERDENO, David G. (Autonoma de Madrid University)

Presenter: CERDENO, David G. (Autonoma de Madrid University)

Session Classification: Session 03 - DM: Direct vs Indirect Searches

Contribution ID: 36

Type: **not specified**

Cosmic Gamma-ray from inverse-Compton Process in Unstable Dark Matter Scenario

Wednesday, 7 October 2009 16:00 (30 minutes)

Primary author: ISHIWATA, Koji (Tohoku University)

Presenter: ISHIWATA, Koji (Tohoku University)

Session Classification: Session 03 - DM: Direct vs Indirect Searches

Contribution ID: 38

Type: **not specified**

Fermi-Swift synergetic campaign on the new gamma-ray blazar PKS 1502+106

Friday, 9 October 2009 17:00 (5 minutes)

Primary author: CIPRINI, Stefano (Perugia University & ASI-INAF)

Presenter: CIPRINI, Stefano (Perugia University & ASI-INAF)

Session Classification: Posters

Contribution ID: 39

Type: **not specified**

Fermi high energy observation of GRB 090217

Friday, 9 October 2009 17:05 (5 minutes)

Primary author: CUTINI, Sara (ASDC Roma)

Presenter: CUTINI, Sara (ASDC Roma)

Session Classification: Posters

Contribution ID: 40

Type: **not specified**

Fermi high energy observation of GRB 090217

Contribution ID: 41

Type: **not specified**

Analysis of the Spectral Energy Distributions of Fermi bright blazars

Friday, 9 October 2009 17:10 (5 minutes)

Primary author: GASPARRINI, Dario (ASDC Roma)

Presenter: GASPARRINI, Dario (ASDC Roma)

Session Classification: Posters

Contribution ID: 42

Type: **not specified**

Observation of the Crab Pulsar and Nebula with the Fermi Large Area Telescope

Friday, 9 October 2009 17:15 (5 minutes)

Primary author: MAZZIOTTA, Mario Nicola (INFN Bari)

Presenter: MAZZIOTTA, Mario Nicola (INFN Bari)

Session Classification: Posters

Contribution ID: 43

Type: **not specified**

Monte Carlo Studies of Very High Energy Gamma-ray Propagation in the Intergalactic Medium

Friday, 9 October 2009 17:20 (5 minutes)

Primary author: WEISGARBER, Thomas R. (Chicago University)

Presenter: WEISGARBER, Thomas R. (Chicago University)

Session Classification: Posters