

**9th Astroparticle Physics
Scientific Fair: 2022/2023**

Report of Contributions

Contribution ID: 1

Type: **not specified**

General Introduction on HE activities

Tuesday, 21 February 2023 09:15 (30 minutes)

Presenter: EVOLI, Carmelo (GSSI)

Contribution ID: 3

Type: **not specified**

The Pierre Auger Observatory: experimental and phenomenological activities in the L'Aquila group

Tuesday, 21 February 2023 09:45 (15 minutes)

Presenter: BONCIOLI, Denise (University of L'Aquila)

Contribution ID: 5

Type: **not specified**

The DAMPE space mission

Tuesday, 21 February 2023 10:00 (15 minutes)

Presenter: CAGNOLI, Irene

Contribution ID: 6

Type: **not specified**

The High Energy cosmic-Radiation Detection (HERD) facility

Tuesday, 21 February 2023 10:15 (15 minutes)

Presenter: SILVERI, Leandro (GSSI)

Contribution ID: 7

Type: **not specified**

NUSES: a pathfinder for the detection of astrophysical neutrinos and electromagnetic signals of seismic origin from space.

Tuesday, 21 February 2023 11:00 (15 minutes)

Presenter: DI GIOVANNI, Adriano (Gran Sasso Science Institute)

Contribution ID: 8

Type: **not specified**

Crystal Eye: an innovative all-sky monitor for the detection of burst of X- and gamma ray in space

Tuesday, 21 February 2023 11:15 (15 minutes)

Presenter: BARBATO, Felicia

Contribution ID: 9

Type: **not specified**

Multi-messenger studies at the Pierre Auger Observatory

Tuesday, 21 February 2023 11:45 (15 minutes)

Presenter: PETRUCCI, Camilla (University of L'Aquila and INFN-LNGS)

Contribution ID: **10**

Type: **not specified**

Cosmic-ray transport on MHD Waves

Tuesday, 21 February 2023 12:30 (15 minutes)

Presenter: FORNIERI, Ottavio (GSSI)

Contribution ID: 11

Type: **not specified**

Excitation of non-resonant streaming instabilities around sources of Ultra-High Energy Cosmic Rays

Tuesday, 21 February 2023 12:45 (15 minutes)

Presenter: CERMENATI, Alessandro (GSSI)

Contribution ID: 14

Type: **not specified**

The Gravitation and Cosmology Group - Introduction

Wednesday, 22 February 2023 09:00 (15 minutes)

Presenter: Dr MASELLI, Andrea

Contribution ID: 29

Type: **not specified**

Galactic emission of high-energy gamma rays and neutrinos

Tuesday, 21 February 2023 12:00 (15 minutes)

Presenter: VECCHIOTTI, Vittoria (GSSI)

Contribution ID: **30**

Type: **not specified**

The gamma and neutrinos contribution from Galaxy Clusters

Tuesday, 21 February 2023 12:15 (15 minutes)

Presenter: HUSSEIN, Saquib

Contribution ID: **31**

Type: **not specified**

Welcome and Introduction to LNGS

Thursday, 23 February 2023 09:00 (30 minutes)

Presenter: PREVITALI, Ezio (LNGS)

Session Classification: Low Energy

Contribution ID: **32**

Type: **not specified**

Theoretical introduction

Thursday, 23 February 2023 09:30 (30 minutes)

Presenter: VISSANI, Francesco (LNGS)

Session Classification: Low Energy

Contribution ID: 33

Type: **not specified**

Space Mission Lab

Thursday, 23 February 2023 12:05 (15 minutes)

Presenters: DI GIOVANNI, Adriano (Gran Sasso Science Institute); BARBATO, FELICIA

Session Classification: Visit: External Labs

Contribution ID: 34

Type: **not specified**

Additive Manufacturing Lab

Thursday, 23 February 2023 12:20 (15 minutes)

Presenter: CORTIS, Daniele (INFN - LNGS)

Session Classification: Visit: External Labs

Contribution ID: 35

Type: **not specified**

Hall di Montaggio

Thursday, 23 February 2023 12:35 (35 minutes)

Presenters: BARACCHINI, Elisabetta (Gran Sasso Science Institute); PAGNANINI, Lorenzo; AGNES, Paolo (GSSI)

Session Classification: Visit: External Labs

Contribution ID: **36**

Type: **not specified**

LUNA

Thursday, 23 February 2023 10:00 (7 minutes)

Presenter: FERRARO, Federico (LNGS)

Session Classification: Short Talks

Contribution ID: 37

Type: **not specified**

PTOLEMY

Thursday, 23 February 2023 10:07 (7 minutes)

Presenter: VIRZI, Federico (LNGS)

Session Classification: Short Talks

Contribution ID: **38**

Type: **not specified**

COSINUS

Thursday, 23 February 2023 10:14 (5 minutes)

Presenter: STUKEL, Matthew (GSSI)

Session Classification: Short Talks

Contribution ID: **39**

Type: **not specified**

CRESST

Thursday, 23 February 2023 10:19 (5 minutes)

Presenter: GUILLAUMON, Pedro

Session Classification: Short Talks

Contribution ID: 40

Type: **not specified**

CYGNO

Thursday, 23 February 2023 10:24 (5 minutes)

Presenter: PRAJAPATI, Atul (student)

Session Classification: Short Talks

Contribution ID: 41

Type: **not specified**

DarkSide-20k

Thursday, 23 February 2023 10:29 (5 minutes)

Presenter: AGNES, Paolo (GSSI)

Session Classification: Short Talks

Contribution ID: 42

Type: **not specified**

Sabre

Thursday, 23 February 2023 10:34 (5 minutes)

Presenter: IANNI, Aldo (LNGS)

Session Classification: Short Talks

Contribution ID: 43

Type: **not specified**

XENON/Darwin

Thursday, 23 February 2023 10:39 (5 minutes)

Presenter: FERRARI, Cecilia

Session Classification: Short Talks

Contribution ID: 44

Type: **not specified**

CUORE/CUPID

Thursday, 23 February 2023 10:44 (5 minutes)

Presenter: GHISLANDI, Stefano (GSSI)

Session Classification: Short Talks

Contribution ID: 45

Type: **not specified**

LEGEND-200

Thursday, 23 February 2023 10:49 (5 minutes)

Presenter: MORELLA, Michele

Session Classification: Short Talks

Contribution ID: 46

Type: **not specified**

Virgo

Wednesday, 22 February 2023 09:15 (15 minutes)

Presenter: CODAZZO, Elena

Session Classification: Gravitational Wave Astronomy

Contribution ID: 47

Type: **not specified**

Characterising the Sardinian candidate site for the Einstein Telescope (ET)

Wednesday, 22 February 2023 09:30 (15 minutes)

Presenter: Dr DI GIOVANNI, Matteo

Session Classification: Gravitational Wave Astronomy

Contribution ID: 48

Type: **not specified**

The Laser Interferometer Space Antenna (LISA)

Wednesday, 22 February 2023 09:45 (15 minutes)

Presenter: FIGUEREIDO, Enzo

Session Classification: Gravitational Wave Astronomy

Contribution ID: 49

Type: **not specified**

The Lunar Gravitational Wave Antenna (LGWA)

Wednesday, 22 February 2023 10:00 (15 minutes)

Presenter: TISSINO, Jacopo

Session Classification: Gravitational Wave Astronomy

Contribution ID: 50

Type: **not specified**

Pulsar Timing Arrays (PTAs)

Wednesday, 22 February 2023 10:15 (15 minutes)

Presenter: Dr GONCHAROV, Boris

Session Classification: Gravitational Wave Astronomy

Contribution ID: 51

Type: **not specified**

Gamma Ray Bursts (GRBs)

Wednesday, 22 February 2023 11:00 (15 minutes)

Presenter: MACERA, Samanta

Session Classification: Multi-Wavelength and Multi-Messenger Astrophysics

Contribution ID: 52

Type: **not specified**

Multi-Messenger Astronomy with GRBs

Wednesday, 22 February 2023 11:15 (15 minutes)

Presenter: MEI, Alessio

Session Classification: Multi-Wavelength and Multi-Messenger Astrophysics

Contribution ID: 53

Type: **not specified**

Very High Energy Transient Astronomy

Wednesday, 22 February 2023 11:30 (15 minutes)

Presenter: Dr BANERJEE, Biswajit

Session Classification: Multi-Wavelength and Multi-Messenger Astrophysics

Contribution ID: 54

Type: **not specified**

Physics of Kilonovae

Wednesday, 22 February 2023 11:45 (15 minutes)

Presenter: LOFFREDO, Eleonora

Session Classification: Multi-Wavelength and Multi-Messenger Astrophysics

Contribution ID: 55

Type: **not specified**

Hubble tension and Astrophysical Probes

Wednesday, 22 February 2023 12:00 (15 minutes)

Presenter: HAZRA, Nandini

Session Classification: Cosmology and Fundamental Physics

Contribution ID: 56

Type: **not specified**

Cosmology with Gravitational Waves

Wednesday, 22 February 2023 12:15 (15 minutes)

Presenter: DUPLETSA, Ulyana

Session Classification: Cosmology and Fundamental Physics

Contribution ID: 57

Type: **not specified**

Cosmological Perturbation Theory

Wednesday, 22 February 2023 12:30 (15 minutes)

Presenter: KUGARAJH, Anjali Abirami

Session Classification: Cosmology and Fundamental Physics

Contribution ID: 59

Type: **not specified**

Nucleosynthesis and Kilonovae

Wednesday, 22 February 2023 10:30 (15 minutes)

Presenter: Dr CRISTALLO, Sergio

Contribution ID: 62

Type: **not specified**

An Analogue Gravity perspective on Black Hole emission

Wednesday, 22 February 2023 12:45 (15 minutes)

Presenter: TRABUCCO, Silvia

Session Classification: Cosmology and Fundamental Physics