

CRATER 2018



Report of Contributions

Contribution ID: 0

Type: **not specified**

The VHE diffuse Galactic Gamma-ray emission

Friday, 1 June 2018 14:30 (40 minutes)

Presenter: EGBERTS, Kathrin (Potsdam University)

Contribution ID: 1

Type: **not specified**

Results of the PAMELA experiment

Monday, 28 May 2018 10:50 (40 minutes)

Presenter: BOEZIO, Mirko (TS)

Contribution ID: 2

Type: **not specified**

Recent results of the AMS-02 experiments

Monday, 28 May 2018 11:30 (40 minutes)

Presenter: GRAZIANI, Maura (KIT)

Contribution ID: 4

Type: **not specified**

Recent results of the DAMPE experiments

Monday, 28 May 2018 14:30 (40 minutes)

Presenter: DE MITRI, Ivan (GSSI & INFN)

Contribution ID: 5

Type: **not specified**

Experiments focusing on the cosmic-ray energy spectrum around the knee

Monday, 28 May 2018 15:10 (40 minutes)

Presenter: DI SCIASCIO, Giuseppe (INFN/Roma Tor Vergata)

Contribution ID: 6

Type: **not specified**

Extended nearby VHE gamma-ray sources and the positron flux at the Earth

Monday, 28 May 2018 12:10 (40 minutes)

Presenter: LOPEZ COTO, Ruben (INFN Sezione di Padova)

Contribution ID: 7

Type: **not specified**

Discussion

Monday, 28 May 2018 16:35 (25 minutes)

Contribution ID: 8

Type: **not specified**

Workshop motivations

Monday, 28 May 2018 09:20 (20 minutes)

Presenter: BLASI, Pasquale (Gran Sasso Science Institute)

Contribution ID: 9

Type: **not specified**

Opening talk: Theory and Interpretation of Galactic Cosmic Rays

Monday, 28 May 2018 09:40 (40 minutes)

Presenter: DRURY, Luke (Dublin Institute for Advanced Studies)

Contribution ID: 10

Type: **not specified**

Difference between cosmic ray spectra in molecular clouds and in diffuse gas can explain the FERMI GeV excess

Wednesday, 30 May 2018 14:30 (40 minutes)

Presenter: DE BOER, Wim (KIT)

Contribution ID: 11

Type: **not specified**

Possible explanations of the recent galactic cosmic-ray anomalies

Tuesday, 29 May 2018 09:40 (40 minutes)

Presenter: MALKOV, Mikhail (University of California San Diego)

Contribution ID: 12

Type: **not specified**

Non-linear cosmic ray transport

Tuesday, 29 May 2018 11:00 (40 minutes)

Presenter: AMATO, Elena (INAF - Osservatorio Astrofisico di Arcetri)

Contribution ID: 13

Type: **not specified**

Production of secondaries in Galactic cosmic rays

Tuesday, 29 May 2018 14:30 (40 minutes)

Presenter: TOMASSETTI, Nicola (Perugia University and INFN)

Contribution ID: 14

Type: **not specified**

Alternative interpretations of secondary cosmic ray origin

Tuesday, 29 May 2018 15:10 (40 minutes)

Presenter: LIPARI, Paolo (ROMA1)

Contribution ID: 15

Type: **not specified**

Cosmic-ray induced galactic winds

Tuesday, 29 May 2018 11:40 (40 minutes)

Presenter: RECCHIA, Sarah (Laboratoire APC-Paris 7)

Contribution ID: **16**

Type: **not specified**

Discussion

Tuesday, 29 May 2018 16:20 (1h 10m)

Contribution ID: 17

Type: **not specified**

Observations of the interstellar magnetic turbulence

Wednesday, 30 May 2018 09:00 (40 minutes)

Presenter: FERRIERE, Katia (Observatoire Midi-Pyrenees)

Contribution ID: 18

Type: **not specified**

Spatial distribution of the diffuse gamma-ray emissivity in the Galaxy

Wednesday, 30 May 2018 09:40 (40 minutes)

Presenter: TIBALDO, Luigi (IRAP, Université Toulouse III)

Contribution ID: **19**

Type: **not specified**

CR propagation near their sources

Wednesday, 30 May 2018 12:10 (40 minutes)

Presenter: MARCOWITH, Alexandre (LUPM Université de Montpellier)

Contribution ID: 20

Type: **not specified**

Understanding cosmic ray propagation in the Milky Way

Friday, 1 June 2018 10:50 (40 minutes)

Presenter: GAGGERO, Daniele (GRAPPA, University of Amsterdam)

Contribution ID: 21

Type: **not specified**

Three-dimensional models of the interstellar medium for the propagation of cosmic rays and their non-thermal interstellar emissions

Wednesday, 30 May 2018 15:10 (40 minutes)

Presenter: PORTER, Troy (Stanford University)

Contribution ID: 22

Type: **not specified**

Cosmic ray propagation in molecular clouds

Friday, 1 June 2018 09:00 (40 minutes)

Presenter: GABICI, Stefano (APC)

Contribution ID: 23

Type: **not specified**

Cosmic-ray large scale anisotropy

Friday, 1 June 2018 12:10 (40 minutes)

Presenter: AHLERS, Markus (Niels Bohr Institute)

Contribution ID: 24

Type: **not specified**

Cosmic ray transport in radiogalaxies and clusters

Friday, 1 June 2018 09:40 (40 minutes)

Presenter: BRUNETTI, Gianfranco (INAF - Istituto di Radioastronomia)

Contribution ID: 25

Type: **not specified**

Cosmic Rays in the Galaxy: Closing remarks

Friday, 1 June 2018 15:10 (40 minutes)

Presenter: AHARONIAN, Felix (Dublin Institute for Advanced Studies)

Contribution ID: 26

Type: **not specified**

Recent results of the ISS-CREAM experiments

Thursday, 31 May 2018 09:00 (40 minutes)

Presenter: SEO, Eun-Suk (University of Maryland)

Contribution ID: 27

Type: **not specified**

Imprints of cosmic rays in multifrequency observations of the interstellar emission

Thursday, 31 May 2018 12:10 (40 minutes)

Presenter: ORLANDO, Elena (Stanford University/KIPAC)

Contribution ID: 28

Type: **not specified**

Cosmic-ray transport from acceleration at SNRs to galactic scales

Tuesday, 29 May 2018 12:20 (40 minutes)

Presenter: PFROMMER, Christoph (AIP)

Contribution ID: 29

Type: **not specified**

Cosmic ray diffusion in Galactic magnetic field models

Thursday, 31 May 2018 15:10 (40 minutes)

Presenter: GIACINTI, Gwenael (MPIK Heidelberg)

Contribution ID: **30**

Type: **not specified**

Recent developments and results obtained with the USINE code

Thursday, 31 May 2018 09:40 (40 minutes)

Presenter: MAURIN, David (LPSC)

Contribution ID: 31

Type: **not specified**

Cosmic rays small-scale anisotropy

Friday, 1 June 2018 11:30 (40 minutes)

Presenter: MERTSCH, Philipp (TTK, RWTH Aachen)

Contribution ID: 32

Type: **not specified**

Welcome speech

Monday, 28 May 2018 09:00 (20 minutes)

Contribution ID: 33

Type: **not specified**

Cosmic ray diffusion in galactic turbulence

Wednesday, 30 May 2018 11:30 (40 minutes)

Presenter: YAN, Huirong (DESY & Uni Potsdam)

Contribution ID: 34

Type: **not specified**

Magnetohydrodynamic turbulence and the role of intermittent structures

Wednesday, 30 May 2018 10:50 (40 minutes)

Presenter: SERVIDIO, Sergio (University of Calabria)

Contribution ID: 35

Type: **not specified**

Cosmic-ray acceleration

Tuesday, 29 May 2018 09:00 (40 minutes)

Presenter: CAPRIOLI, Damiano (University of Chicago)

Contribution ID: 36

Type: **not specified**

Measurements of nuclear cross-sections at CERN SPS.

Wednesday, 30 May 2018 16:20 (30 minutes)

Presenter: UNGER, Michael (KIT)

Contribution ID: 37

Type: **not specified**

Cosmic-ray propagation at PeV energy and the interpretation of the cosmic-ray knee

Thursday, 31 May 2018 14:30 (40 minutes)

Presenter: KACHELRIESS, Michael (NTNU)

Contribution ID: 38

Type: **not specified**

Evidences of a hard cosmic ray population in the Galactic Center region and their possible interpretations

Thursday, 31 May 2018 10:50 (40 minutes)

Presenter: GRASSO, Dario (INFN, Pisa)

Contribution ID: 39

Type: **not specified**

Recent developments of the PICARD code

Thursday, 31 May 2018 11:30 (40 minutes)

Presenter: KISSMANN, Ralf (Universität Innsbruck)

Contribution ID: 40

Type: **not specified**

Discussion

Thursday, 31 May 2018 16:20 (1h 10m)

Contribution ID: 41

Type: **not specified**

The HERD mission

Monday, 28 May 2018 16:20 (15 minutes)

Presenter: Prof. DE MITRI, Ivan (GSSI & INFN)