

Variable Galactic Gamma-Ray Sources VII (VGGRS VII)



Report of Contributions

Contribution ID: 3

Type: **not specified**

On the Physics at the Highest Energies of Gamma-Ray Emitting Binaries

Author: BOSCH-RAMON, Valenti (Universitat de Barcelona/ICCUB)

Presenter: BOSCH-RAMON, Valenti (Universitat de Barcelona/ICCUB)

Contribution ID: 4

Type: **not specified**

Multi-wavelength properties of binary pulsar system PSR B1259-63/LS2883

Authors: Prof. VAN SOELEN, Brian (University of the Free State); MALYSHEV, Denys (Tubingen University); CHERNYAKOVA, Masha (DCU)

Contribution ID: 5

Type: **not specified**

Gamma-ray Variability in Millisecond Pulsar Binaries: Probing Pulsar-Companion Interactions

Authors: Mr KIM, Chanho (Chungbuk National University); AN, Hongjun (Chungbuk National University); Mr PARK, Jaegeun (Chungbuk National University)

Contribution ID: 6

Type: **not specified**

Results of the long-term campaign on Cygnus X-3 by MAGIC

Author: MOLINA, Edgar (Instituto de Astrofísica de Canarias (IAC))

Contribution ID: 7

Type: **not specified**

Massive stars as non-thermal sources

Author: BENAGLIA, Paula (Instituto Argentino de Radioastronomia)

Contribution ID: 8

Type: **not specified**

Observations of Galactic binaries in the sub-MeV/MeV band with future prospects

Author: YONEDA, Hiroki

Contribution ID: 9

Type: **not specified**

Non-thermal emission from colliding stellar winds

Author: DEL PALACIO, Santiago (Chalmers University of Technology)

Contribution ID: **10**

Type: **not specified**

The challenges of identifying Particle-Accelerating Colliding-Wind Binaries

Author: DE BECKER, Michaël (University of Liège)

Contribution ID: 11

Type: **not specified**

Solving the Puzzle of Cyg X-3: Gamma-Ray Clues into Jet Dynamics

Author: DMYTRIIEV, Anton (North-West University)

Contribution ID: 12

Type: **not specified**

Numerical simulations of microquasar jets

Author: PERUCHO PLA, Manel (Universitat de València)

Co-authors: Dr LÓPEZ-MIRALLES, Jose; Prof. MARTÍ PUIG, José-María (Universitat de València); BOSCH-RAMON, Valenti (Universitat de Barcelona/ICCUB)

Contribution ID: 13

Type: **not specified**

Fermi-LAT view on binary systems

Author: MARTÍ-DEVESA, Guillem (Università degli Studi di Trieste / INFN)

Contribution ID: 14

Type: **not specified**

Fermi-type Particle Acceleration in Microquasar Jets

Author: RIEGER, Frank (IPP Garching)

Contribution ID: 15

Type: **not specified**

MAGIC view on binary systems

Author: LÓPEZ-ORAMAS, Alicia (Instituto de Astrofísica de Canarias (IAC))

Contribution ID: **16**

Type: **not specified**

Reinvestigating the orbit of HESS J0632+057 with SALT

Authors: VAN SOELEN, Brian (University of the Free State); MATCHETT, Natalie (University of the Free State)

Contribution ID: 17

Type: **not specified**

Investigating the effect of Be discs on the emission from gamma-ray binaries

Authors: VAN SOELEN, Brian (University of the Free State); MATCHETT, Natalie (University of the Free State)

Contribution ID: **18**

Type: **not specified**

Counterparts of X-ray and gamma-ray binaries

Author: NEGUERUELA, Ignacio (Universidad de Alicante)

Contribution ID: **19**

Type: **not specified**

High-resolutions simulations of LS 5039 - energetic particles and non-thermal emission

Authors: Dr HUBER, David (Universität Innsbruck); Dr GSCHWANDTNER, Philipp (Universität Innsbruck); KISSMANN, Ralf (Universität Innsbruck)

Contribution ID: 20

Type: **not specified**

Ultrahigh-energy gamma-ray emissions associated with Black Hole-Jet Systems

Author: LIU, Ruoyu (Nanjing University)

Contribution ID: 21

Type: **not specified**

An X-ray eye on microquasar jets and their impact on the surrounding medium

Author: SAFI-HARB, Samar (University of Manitoba)

Contribution ID: 22

Type: **not specified**

Detections of binaries with HAWC

Author: CASANOVA, Sabrina (IFJ PAN)

Contribution ID: 23

Type: **not specified**

ALMA Observations of the Gamma-Ray Binary System PSR B1259-63/LS 2883

Author: FUJITA, Yutaka (Tokyo Metropolitan University)

Co-authors: Prof. KAWACHI, Akiko (Tokai University); Prof. OKAZAKI, Atsuo (Hokkai-Gakuen University); Prof. NAGAI, Hiroshi (National Astronomical Observatory Japan); Dr KAWANAKA, Norita (Tokyo Metropolitan University); Dr AKAHORI, Takuya (National Astronomical Observatory Japan)

Contribution ID: 24

Type: **not specified**

Exploring the environment of Cygnus X-3

Author: LUQUE-ESCAMILLA, Pedro (UJA)

Co-authors: PAREDES, Josep Maria (Universitat de Barcelona); MARTÍ, Josep (Universidad de Jaén); BOSCH-RAMON, Valenti (Universitat de Barcelona/ICCUB)

Contribution ID: 26

Type: **not specified**

Paying homage to Prof. Josep Maria Paredes: nearly four decades of friendship and collaboration

Author: MARTÍ, Josep (Universidad de Jaén)

Contribution ID: 27

Type: **not specified**

Gamma-ray binaries as probes for Fast Radio Bursts

Author: MARCOTE, Benito (Joint Institute for VLBI ERIC (JIVE))

Contribution ID: 28

Type: **not specified**

A methodology for light curve comparison: applications to pulsars and transitional pulsars

Author: TORRES, Diego F (ICREA & Institute of Space Science (ICE, CSIC))

Contribution ID: 29

Type: **not specified**

Results from Long-Term Radio Monitoring of LS I +61°303 at 15 GHz

Author: JARON, Frederic (TU Wien)

Contribution ID: **30**

Type: **not specified**

A revised orbital solution for HESS J0632+057 (=MWC 148)

Author: CASARES, Jorge (Instituto de Astrofisica de Canarias)

Contribution ID: 31

Type: **not specified**

VHE gamma-ray novae: RS Oph modelling & CTAO perspectives

Author: AGUASCA-CABOT, Arnau (Universitat de Barcelona - ICCUB - IEEC)

Co-authors: Dr BORDAS, Pol (ICCUB); GREEN, David (CTAO); KOBAYASHI, Yukiho (Institute for Cosmic Ray Research, University of Tokyo); LOPEZ COTO, Ruben (Instituto de Astrofísica de Andalucía-CSIC); Dr RIBÓ, Marc (Universitat de Barcelona, ICCUB, IEEC); SITAREK, Julian (University of Lodz); CTAO-LST PROJECT, the

Contribution ID: 32

Type: **not specified**

The power of jets in microquasars and their multi-wavelength emission

Author: KHANGULYAN, Dmitry (IHEP)

Contribution ID: 33

Type: **not specified**

VERITAS observations of gamma-ray binaries and microquasars.

Author: MAIER, Gernot (DESY)

Contribution ID: **34**

Type: **not specified**

LSI 61 +303 - 16 years of GeV observations

Author: HADASCH, Daniela

Contribution ID: 35

Type: **not specified**

Galactic runaway O and Be stars found using Gaia DR3 and new stellar bow shocks

Author: Dr RIBÓ, Marc (Universitat de Barcelona, ICCUB, IEEC)

Contribution ID: 36

Type: **not specified**

O-type runaway binaries with compact objects

Author: CARRETERO-CASTRILLO, Mar (ICCUB, Universitat de Barcelona)

Co-authors: Dr RIBÓ, Marc (Universitat de Barcelona, ICCUB, IEEC); PAREDES, Josep Maria (Universitat de Barcelona)

Contribution ID: 37

Type: **not specified**

MAGIC view on binary systems

Tuesday 6 May 2025 09:30 (20 minutes)

Presenter: LOPEZ-ORAMAS, Alicia

Contribution ID: **38**

Type: **not specified**

VERITAS and gamma-ray binaries/microquasars

Tuesday 6 May 2025 09:50 (20 minutes)

Presenter: MAIER, Gernot

Contribution ID: 39

Type: **not specified**

H.E.S.S. Observations of Binary Systems

Tuesday 6 May 2025 10:10 (20 minutes)

Presenter: FISHER, Lalenthra

Contribution ID: **40**

Type: **not specified**

LST view on variable galactic gamma-ray sources

Tuesday 6 May 2025 10:30 (20 minutes)

Presenter: BORDAS, Pol

Contribution ID: 41

Type: **not specified**

Ultrahigh-energy gamma-ray emissions associated with Black Hole-Jet Systems

Tuesday 6 May 2025 10:50 (20 minutes)

Presenter: LIU, Ruo-Yu

Contribution ID: 42

Type: **not specified**

Detections of binaries with HAWC

Tuesday 6 May 2025 11:40 (20 minutes)

Presenter: CASANOVA, Sabrina

Contribution ID: 43

Type: **not specified**

SS 433 seen in Gamma Rays

Tuesday 6 May 2025 12:00 (20 minutes)

Presenter: LI, Jian

Contribution ID: 44

Type: **not specified**

VHE gamma-ray novae: RS Oph modelling & CTAO perspectives

Tuesday 6 May 2025 12:20 (20 minutes)

Presenter: AGUASCA-CABOT, Arnau

Contribution ID: 45

Type: **not specified**

Results of the long-term campaign on Cygnus X-3 by MAGIC

Tuesday 6 May 2025 12:40 (20 minutes)

Presenter: MOLINA, Edgar

Contribution ID: 46

Type: **not specified**

Fermi-LAT view on binary systems

Tuesday 6 May 2025 15:00 (20 minutes)

Presenter: MARTI-DEVESA, Guillem

Contribution ID: 47

Type: **not specified**

Observations of Galactic binaries in the sub-MeV/MeV band with future prospects

Tuesday 6 May 2025 15:20 (20 minutes)

Presenter: YONEDA, Hiroki

Contribution ID: 48

Type: **not specified**

Gamma-ray Variability in Millisecond Pulsar Binaries: Probing Pulsar-Companion Interactions

Tuesday 6 May 2025 16:00 (20 minutes)

Presenter: AN, Hongjun

Contribution ID: 49

Type: **not specified**

A methodology for light curve comparison: applications to pulsars and transitional pulsars

Tuesday 6 May 2025 15:40 (20 minutes)

Presenter: TORRES, Diego

Contribution ID: **50**

Type: **not specified**

Discussion

Tuesday 6 May 2025 16:50 (1 hour)

Contribution ID: 51

Type: **not specified**

LSI +61 303 —16 years of GeV observations

Wednesday 7 May 2025 09:30 (20 minutes)

Presenter: HADASCH, Daniela

Contribution ID: 52

Type: **not specified**

Results from Long-Term Radio Monitoring of LS I +61°303 at 15 GHz

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Presenter: JARON, Frédéric

Contribution ID: 53

Type: **not specified**

An X-ray eye on microquasar jets and their impact on the surrounding medium

Wednesday 7 May 2025 10:10 (20 minutes)

Presenter: SAFI-HARB, Samar

Contribution ID: 54

Type: **not specified**

Multi-wavelength properties of binary pulsar system PSR B1259-63/LS2883

Wednesday 7 May 2025 10:30 (20 minutes)

Presenter: MALYSHEV, Denys

Contribution ID: 55

Type: **not specified**

ALMA observations of binary pulsar PSR B1259-63/LS2883

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Presenter: FUJITA, Yutaka

Contribution ID: 56

Type: **not specified**

Gamma-ray binaries as probes for Fast Radio Bursts

Wednesday 7 May 2025 11:40 (20 minutes)

Presenter: MARCOTE, Benito

Contribution ID: 57

Type: **not specified**

Counterparts of X-ray and gamma-ray binaries

Wednesday 7 May 2025 12:00 (20 minutes)

Presenter: NEGUERUELA, Ignacio

Contribution ID: 58

Type: **not specified**

Galactic runaway O and Be stars found using Gaia DR3 and new stellar bow shocks

Wednesday 7 May 2025 12:20 (20 minutes)

Presenter: RIBÓ, Marc

Contribution ID: 59

Type: **not specified**

O-type runaway binaries with compact objects

Wednesday 7 May 2025 12:40 (20 minutes)

Presenter: CARRETERO, Mar

Contribution ID: **60**

Type: **not specified**

Discussion

Wednesday 7 May 2025 15:00 (1 hour)

Contribution ID: **61**

Type: **not specified**

Paying homage to Prof. Josep Maria Paredes: nearly four decades of friendship and collaboration

Wednesday 7 May 2025 16:00 (20 minutes)

Presenter: MARTÍ, Josep

Contribution ID: **62**

Type: **not specified**

A life in science: Josep Maria Paredes and multi-frequency astrophysics

Wednesday 7 May 2025 16:50 (20 minutes)

Presenter: ROMERO, Gustavo E.

Contribution ID: 63

Type: **not specified**

Josep Maria Paredes: A Lifelong Friend, Collaborator, and the 'Fuel Station of Talents' for My High-Energy Astrophysics Network

Wednesday 7 May 2025 17:10 (20 minutes)

Presenter: AHARONIAN, Felix

Contribution ID: **64**

Type: **not specified**

The first steps in Science

Wednesday 7 May 2025 17:50 (40 minutes)

Presenter: PAREDES, Josep Maria

Contribution ID: 65

Type: **not specified**

The contribution of Josep Maria Paredes to the MAGIC Collaboration

Wednesday 7 May 2025 17:30 (20 minutes)

Presenter: Dr RIBÓ, Marc (Universitat de Barcelona, ICCUB, IEEC)

Contribution ID: **66**

Type: **not specified**

Exploring the environment of Cygnus X-3

Thursday 8 May 2025 09:30 (20 minutes)

Presenter: LUQUE ESCAMILLA, Pedro

Contribution ID: 67

Type: **not specified**

Investigating the effect of Be discs on the emission from gamma-ray binaries

Thursday 8 May 2025 09:50 (20 minutes)

Presenter: MATCHETT, Natalie

Contribution ID: **68**

Type: **not specified**

A revised orbital solution for HESS J0632+057 (=MWC 148)

Thursday 8 May 2025 10:30 (20 minutes)

Presenter: CASARES, Jorge

Contribution ID: **69**

Type: **not specified**

Reinvestigating the orbit of HESS J0632+057 with SALT

Thursday 8 May 2025 10:10 (20 minutes)

Presenter: VAN SOELEN, Brian

Contribution ID: 71

Type: **not specified**

Non-thermal emission from colliding stellar winds

Thursday 8 May 2025 12:00 (20 minutes)

Presenter: DEL PALACIO, Santiago

Contribution ID: 72

Type: **not specified**

The challenges of identifying Particle-Accelerating Colliding-Wind Binaries

Thursday 8 May 2025 10:50 (20 minutes)

Presenter: DE BECKER, Michäel

Contribution ID: 73

Type: **not specified**

Massive stars as non-thermal sources

Thursday 8 May 2025 11:40 (20 minutes)

Presenter: BENAGLIA, Paula

Contribution ID: 74

Type: **not specified**

Solving the Puzzle of Cyg X-3: Gamma-Ray Clues into Jet Dynamics

Thursday 8 May 2025 12:20 (20 minutes)

Presenter: DMYTRIIEV, Anton

Contribution ID: 75

Type: **not specified**

Numerical simulations of microquasar jets

Thursday 8 May 2025 12:40 (20 minutes)

Presenter: PERUCHO, Manel

Contribution ID: 76

Type: **not specified**

The power of jets in microquasars and their multi-wavelength emission

Thursday 8 May 2025 15:00 (20 minutes)

Presenter: KHANGULYAN, Dmitriy

Contribution ID: 77

Type: **not specified**

High-resolutions simulations of LS 5039 - energetic particles and non-thermal emission

Thursday 8 May 2025 15:20 (20 minutes)

Presenter: KISSMANN, Ralf

Contribution ID: 78

Type: **not specified**

Fermi-type Particle Acceleration in Microquasar Jets

Thursday 8 May 2025 15:40 (20 minutes)

Presenter: RIEGER, Frank

Contribution ID: 79

Type: **not specified**

On the physics at the highest energies of gamma-ray emitting binaries

Thursday 8 May 2025 16:00 (20 minutes)

Presenter: BOSCH-RAMON, Valentí

Contribution ID: **80**

Type: **not specified**

Discussion and farewell

Thursday 8 May 2025 16:50 (1 hour)