

# **Variable Galactic Gamma-Ray Sources V**

*Barcelona September 4<sup>th</sup>-6<sup>th</sup> (2019)*

## **Workshop Program**

*September 4<sup>th</sup>*

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time	speaker	title
9:30-9:45	Registration	
9:45-10:05	Gernot MAIER	Binary observations with the VERITAS gamma-ray observatory
10:05-10:25	Jean-Pierre ERNENWEIN	H.E.S.S. results on gamma-ray binaries
10:25-10:45	Francesco VERRECCHIA	AGILE observations of galactic gamma-ray binaries
10:45-11:05	Werner COLLMAR	Gamma-Ray Binaries at soft MeV Energies: The COMPTEL Status
11:05-11:35	Coffee Break	
11:35-11:55	Vardan BAGHMANYAN	HAWC results on binary systems
11:55-12:15	Daniela HADASCH	TeV view on HESS0632+057
12:15-12:35	Maria CHERNYAKOVA	Multiwavelength observations of gamma-ray binaries
12:35-12:55	Pak-Hin Thomas TAM	Multi-wavelength emissions from gamma-ray binaries
12:55-14:30	Launch Break	
14:30-14:50	Brian Van SOELEN	Optical observations of gamma-ray binaries with the SALT
14:50-15:10	Robin CORBET	Discovery of the Galactic Gamma-ray Binary 4FGL J1405.1-6119
15:10-15:30	Josep MARTÍ	Searching for new gamma-ray binaries
15:30-15:50	Marc RIBÓ	Searching for new gamma-ray binaries using Gaia DR2
15:50-16:20	Coffee Break	
16:20-16:40	Georgy PAVLOV	Recent X-ray observations of high-mass gamma-ray binaries
16:40-17:40	Discussion Session	

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**18:30 Snacks and beverages (tentative schedule)**

*September 5<sup>th</sup>*

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time	speaker	title
9:45-10:05	Manel PERUCHO PLA	Jet evolution and energy dissipation in binaries
10:05-10:25	Edgar MOLINA	The influence of the stellar wind on the jets of high-mass microquasars
10:25-10:45	Pol BORDAS	Revisiting the gamma-ray emission from SS433/W50
10:45-11:05	Takahiro SUDOH	Acceleration of High-Energy Particles in the Jets of the Microquasar SS433
11:05-11:35	Coffee Break	
11:35-11:55	Gustavo E. ROMERO	Outflows in super-critical binaries
11:55-12:15	Sergei TRUSHKIN	Giant radio flares of the microquasar Cygnus X-3: association with X-ray and Gamma-ray activity
12:15-12:35	Benito MARCOTE	Resolving the full radio structure of LS I +61 303
12:35-12:55	Frederic JARON	The long-term modulation of LS I +61 303: observations and modeling
12:55-14:30	Launch Break	
14:30-14:50	Raul Ribeiro PRADO	Probing the Properties of the Pulsar Wind in the Gamma-Ray Binary HESS J0632+057 with NuSTAR and VERITAS Observations
14:50-15:10	Zorawar WADIASINGH	X-ray and Gamma-Ray Orbital-Modulated Shock Emission from Spider Binaries
15:10-15:30	Hongjun AN	Variable gamma-ray emission in intrabinary shock of various pulsar binaries
15:30-15:50	Diego F. TORRES	The heart of darkness
15:50-16:20	Coffee Break	
16:20-16:40	Denys MALYSHEV	Evidence for recent GeV brightening of the SN 1987A region
16:40-17:40	Discussion Session	

*September 6<sup>th</sup>*

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time	speaker	title
9:45-10:05	Akiko KAWACHI	ALMA, ATCA observations of the gamma-ray binary PSRB1259-63 /LS2883
10:05-10:25	Sergey BOGOVALOV	Numerical simulation of plasma outflow from the fast rotating star
10:25-10:45	Alicia LÓPEZ	TeV and X-ray emission from the 50-year period binary PSR J2032+4127/MT91 213 during periastron passage
10:45-11:05	Atsuo OKAZAKI	Interaction between the pulsar wind and the circumstellar environment in the gamma-ray binary PSR J2032+4127/MT 91 213
11:05-11:35	Coffee Break	
11:35-11:55	Olaf REIMER	The emerging class of gamma-ray emitting colliding-wind binary systems
11:55-12:15	Michael De BECKER	Recent results of radio observations on Particle-Accelerating Colliding-Wind Binaries
12:15-12:35	Kenji HAMAGUCHI	Eta Carinae (TBC)
12:35-12:55	Guillem MARTÍ-DEVESA	Second orbit of Eta Carinae with Fermi-LAT and other binary candidates at high energies
12:55-14:30	Launch Break	
14:30-14:50	Valentí BOSCH-RAMON	Relativistic high-mass gamma-ray binaries
14:50-15:10	Evgeny DERISHEV	Possible regimes of synchrotron and inverse Compton radiation in relativistic flows and shocks
15:10-15:30	Hiroki YONEDA	TBD
15:30-15:50	Maxim BARKOV	3D dynamics and morphology of bow-shock pulsar wind nebulae
15:50-16:20	Coffee Break	
16:20-17:20	Discussion Session	
17:20-17:40	Conclusion Remarks	

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*Posters, tentative list*

- **Sergey BOGOVALOV** “Modelling the interaction between relativistic and non-relativistic winds in binary pulsar systems: strong magnetization of the pulsar wind”
- **Frederic JARON** “Variability on short time-scales in LS I +61 303”
- **Pedro Luis LUQUE ESCAMILLA** “SS433 through the eyes of ALMA”
- **Iria AYAN-MÍGUEZ** “TBC”
- **Jose López MIRALLES** “Assessing fast variability in the Gamma-ray Binary LSI+61 303”
- **Simone MIGLIARI** “TBC”