

Workshop on “Variable Galactic Gamma-Ray Sources”
Heidelberg November 30- December 3, 2010
WORKSHOP PROGRAM

Tuesday, November 30th

Registration 9:00-9:45

Welcome Introduction 9:45-9:55 *Felix Aharonian*

Organization Information 9:55-10:00 *Valentí Bosch-Ramon/Dmitry Khangulyan*

Morning Session 10:00-11:00

“Gamma-ray binary @ VHE: spectra and variability” *Jim Hinton* (25+5)

“Gamma-ray binary @ radio: spectra, variability, morphology” *Marc Ribó* (25+5)

Coffee Break 11:00-11:30

Morning Session 2 11:30-13:00

“Gamma-ray binary @ X-rays: spectra, variability, morphology” *Yasunobu Uchiyama* (25+5)

“Gamma-ray binary @ GeV: spectra and variability” *Diego Torres* (25+5)

“Particle acceleration in the context of Gamma-ray binaries” *Frank Rieger* (25+5)

Lunch 13:00-15:30

Afternoon session 1 15:30-16:30

“Leptonic radiation in the context of Gamma-ray binaries” *Dmitry Khangulyan* (25+5)

“Hadronic radiative processes in the context of Gamma-ray binaries” *Andrii Neronov* (25+5)

Coffee Break 16:30-17:00

Afternoon session 2 17:00-18:30

Discussion on “Particle acceleration and radiation processes in Gamma-ray binaries”

Wednesday, December 1st

Morning Session 1 9:30-11:00

“The properties of the winds of massive stars” *Stan Owocki* (25+5)

“Radiation absorption and reprocessing: cascading and secondary synchrotron emission” *Valentí Bosch-Ramon* (25+5)

“Simulations of accretion in binaries formed by an OB star plus a compact object” *Atsuo Okazaki* (25+5)

Coffee Break 11:00-11:30

Morning Session 2 11:30-13:00

Discussion on “Cascading versus pure absorption in Gamma-ray binaries”

Lunch 13:00-15:30

Afternoon session 1 15:30-16:30

“Accretion/Blandford-Znajek processes and jet formation” *Maxim Barkov* (25+5)

“Jets in high-mass microquasars” *Manel Perucho* (25+5)

Coffee Break 16:30-17:00

Afternoon session 2 17:00-18:30

“Microquasars: multiwavelength observational phenomenology from radio to X-rays” *Simone Migliari* (25+5)

“VHE emission from microquasars” *Gustavo E. Romero* (25+5)

“High energy emission from microquasar jet – clumpy stellar wind interactions” *Anabella Araudo* (12+3)

“Gamma-ray flares from the Crab Nebula” *Rolf Bühler* (12+3)

Thursday, December 2nd

Morning Session 1 9:30 – 11:00

“Colliding winds in massive star binaries: expectations from radio to gamma-rays” *Michaël de Becker* (25+5)

“Massive star colliding winds: spectral and variability behavior” *Julian Pittard* (25+5)

“X-ray and VHE emission from LS I +61 303” *Víctor Zabalza* (12+3)

“LS I+61 303 in the VHE range” *Tobias Jogler* (12+3)

Coffee Break 11:00-11:30

Morning Session 2 11:30 – 13:00

“Pulsars and pulsar winds” *Jérôme Petri* (25+5)

“Binary pulsars: expected spectral and variability behavior” *Guillaume Dubus* (25+5)

“AGILE Discovery of a Flaring Crab Nebula and other Galactic Gamma-Ray Transient and Variable Sources” *Andrew Chen* (25+5)

Lunch 13:00-15:30

Afternoon session 1 15:30-16:30

“A model for TeV binaries: pulsar wind shock with pair feedback” *Evgeny Derishev* (12+3)

“TeV lightcurve of PSR B1259-63” *Matthias Kerschhaggl* (12+3)

“Discovery of extended and variable radio structure from the gamma-ray binary system PSR B1259-63/LS 2883” *Javier Moldón* (12+3)

“VHE emission in MQ jets/ISM interactions” *Pol Bordas* (12+3)

Coffee Break 16:30-17:00

Afternoon session 2 17:00-18:30

Discussion on “Magnetohydrodynamics in the context of gamma-ray binaries”

Friday, December 3rd

Morning Session 1 9:30-11:00

“Colliding winds in pulsar binaries” *Sergey Bogovalov* (25+5)

“New candidates for the gamma-ray loud binary systems” *Maria Chernyakova* (12+3)

“The gamma-ray binary candidate HESS J0632+057” *Joanna Skilton* (12+3)

“Striped pulsar wind emission in binary systems” *Jérôme Petri* (12+3)

“ η Carinae: a very large hadron collider” *Christian Farnier* (12+3)

Coffee Break 11:00-11:30

Morning Session 2 11:30-12:45

“Recent VERITAS results on VHE emission from Galactic binary systems” *Gernot Maier* (12+3)

“Gamma-ray nova V407 Cyg and Fermi-LAT Galactic Plane Transients” *Teddy Cheung* (12+3)

“Gamma-ray emission from Cyg-X3” *Benoit Cerutti* (12+3)

“X-ray modulation in LS 5039” *Anna Szostek* (12+3)

“The effect of a soft X-ray source near the compact object in LS 5039” *Masaki Yamaguchi* (12+3)

Lunch 12:45-15:30

Afternoon session 1 15:30-17:00

Discussion on “Colliding winds versus accretion/Blandford-Znajek processes”

Concluding remarks 17:00