

Monday, October 23		
8.30am - 9.15am	Badge pick-up at desk	
9.15am - 9.30am	Welcome	
Session: Extra-galactic jets -- Chair: A. Zech (+ A. Luashvili)		
9.30am - 10.00am	E. Meyer	Emission Mechanisms, Power, and Impact: The enduring open questions of extragalactic jets
10.00am - 10.20am	Z. Meliani	Exploring the Impact of Variabilities in Relativistic Jets dynamics
10.20am - 10.40am	A. Abdulrahman	Understanding the high energy emission and multi-wavelength morphology of the knots in kilo-parsec scale jets of Active Galactic Nuclei
10.40am - 11.00am	F. Rieger	Energetic Particle Acceleration in Relativistic Shearing Flows
11.00am - 11.30am	Coffee break	
Session: Jets (theory) -- Chair: L. Costamante (+ A. Luashvili)		
11.30am - 12.00pm	M. Begelman	Physics and Dynamics of Relativistic Jets
12.00pm - 12.20pm	Y. Mizuno	Relativistic Jet Simulations and Modeling on Horizon Scale
12.20pm - 12.40pm	E. Sobacchi	Ultrafast variability in AGN jets: intermittency and lighthouse effect
12.40pm - 1.00pm	D. Król	Magnetization of Relativistic Current-carrying Jets with Radial Velocity Shear
1.00pm - 2.30pm	Lunch break	
Session: Jets - Chair: J. M. Paredes (+ N. Grollimund)		
2.30pm - 2.50pm	B. Kapanadze	Relativistic Magnetic Reconnection in the Jets of High-Energy Peaked BL Lacertae Objects
2.50pm - 3.10pm	M. K. Vyas	Photons' in Relativistic Plasma with Velocity Shear: A novel mechanism for power law spectra at high energies
3.10pm - 3.30pm	S. Corbel	Discovery of large-scale and energetic relativistic jets from a black hole candidate in a Galactic globular cluster
3.30pm - 4.00pm	Poster lightning talks 1	
4.00pm - 4.30pm	Coffee break	
Session: Pulsars and binary systems -- Chair: N. Kylafis (+ N. Grollimund)		
4.30pm - 5.00pm	B. Olmi	Understanding Pulsar Wind Nebulae
5.00pm - 5.20pm	M. V. Del Valle	Radiation Signatures from Ultra Fast Intergalactic Neutron Stars
5.20pm - 5.50pm	V. Bosch-Ramon	On the physics of gamma-ray emitting binaries
5.50pm - 6.10pm	A. Dmytriiev	Gamma-ray evidence for a jet-orbit misalignment in the X-ray binary Cyg X-3
6.10pm - 6.30pm	C. Guerra	Hydrodynamical simulations of wind interaction in spider systems, a step to understand transitional millisecond pulsars
7.00pm -	Welcome cocktail	

Tuesday, October 24		
Session: Gamma-ray bursts -- Chair: A. Pe'er (+ C. Pellouin)		
9.30am - 10.00am	Z. Bosnjak	The prompt emission phase of gamma-ray bursts: recent results
10.00am - 10.30am	X.-Y. Wang	Understanding the brightest GRB 221009A
10.30am - 10.50am	K. Asano	Multi-wavelength lightcurves of the shallow decay phase in GRB afterglows
10.50am - 11.10am	M. Klinger	Lepto-Hadronic Very-High-Energy GRB Afterglows
11.10am - 11.40am	Coffee break	
Session: Particle acceleration - Chair: K. Nishikawa (+ C. Pellouin)		
11.40am - 12.10pm	A. Vanthieghem	Mereology of relativistic blast waves: heating, acceleration, and radiation
12.10pm - 12.30pm	A. Spitkovsky	Large-scale feedbacks in relativistic collisionless shocks: the role of nonlinearities
12.30pm - 1.00pm	A. Philippov	Reconnection and pair production discharges in magnetospheres of neutron stars and black holes
1.00pm - 2.30pm	Lunch break	
Session: Extra-galactic jets -- Chair: F. Mirabel (+ P. Thevenet)		
2.30pm - 2.50pm	S. Vercellone	Gamma-ray narrow-line Seyfert galaxies: first long-term optical, UV, and X-ray monitoring
2.50pm - 3.10pm	R. P. Dubey	Effects of RMHD Jet Dynamics on Particle Acceleration
3.10pm - 3.30pm	B. Cerutti	Extreme particle acceleration at jet termination shocks
3.30pm - 4.00pm	Poster lightning talks 2	
4.00pm - 4.30pm	Coffee break	
Session: Black holes and accretion physics -- Chair: M. Begelman (+ P. Thevenet)		
4.30pm - 5.00pm	J. Ferreira	Magnetized accretion-ejection structures
5.00pm - 5.30pm	F. Vincent	Probing the surroundings of a supermassive black hole with hotspots
5.30pm - 5.50pm	D. Psaltis	The Sharpened View and Enriched Phenomenology of AGN Jets from Event Horizon Telescope Observations
5.50pm - 6.10pm	K. Nalewajko	Initialization of magnetic flux eruptions at accreting black holes

Wednesday, October 25		
Session: Blazars -- Chair: R. Mukherjee (+ C. Guerra)		
9.30am - 10.00am	F. Tavecchio	Blazar jets: new clues and old challenges
10.00am - 10.20am	P. Rabinowitz	Unbiased survey of high-frequency-peaked BL Lacs with VERITAS
10.20am - 10.40am	A. Arbet-Engels	Insights into the high-energy emission of archetypical TeV blazars from the first combined X-ray polarisation and VHE measurements
10.40am - 11.00am	H. Kang	Exploring the Origins of Ultra-high-energy Cosmic Rays: Insights from Simulated Relativistic Jets
11.00am - 11.30am	Coffee break	
Session: Multi-messenger sources -- Chair: G. Romero (+ C. Guerra)		
11.30am - 12.00pm	W. Winter	Sources of high-energy neutrinos
12.00pm - 12.30pm	S. Kimura	Particle Acceleration in Accretion Flows and Related High-energy Signatures
12.30pm - 12.50pm	A. Rudolph	Neutrinos and photons as signatures of dissipation close to the photosphere in short gamma-ray burst jets
12.50pm - 1.10pm	G. Fichtel de Clairfontaine	Hadronic processes at work in 5BZB J0630-2406
1.10pm - 2.40pm	Lunch break	
Session: Magnetars and fast radio bursts -- Chair: G. Pavlov (+)		
2.40pm - 3.10pm	A. Beloborodov	Bursts and relativistic ejecta from magnetar quakes
3.10pm - 3.30pm	J. Mahlmann	Magnetar Eruptions and Electromagnetic Fireworks
3.30pm - 3.50pm	T. Wada	Expanding Fireball in Magnetar Bursts and Fast Radio Bursts
3.50pm - 4.30pm	Poster lightning talks 3	
4.30pm - 5.00pm	Coffee break	
7.00pm -	Conference dinner	

Thursday, October 26		
Session: Gamma-ray bursts -- Chair: F. Ryde (+ P. Kornecki)		
9.30am - 9.50am	R. Liu	A multi-zone view of blazar's emission
9.50am - 10.10am	T. Faran	Ultra-Relativistic Pistons: a new type of self-similar solutions
10.10am - 10.30am	F. Alamaa	Radiation-mediated shocks in GRB prompt emission
10.30am - 10.50am	G. Birenbaum	Afterglow linear polarization signatures from shallow GRB jets
10.50am - 11.20am	Coffee break	
Session: Gamma-ray bursts and gravitational waves sources -- Chair: S. Vergani (+P. Kornecki)		
11.20am - 11.50pm	A. Lamberts	Progenitors of gravitational wave sources and recent results in gravitational wave astronomy
11.50am - 12.10pm	C. Pellouin	The VHE emission of structured GRB jets: the case of GW170817 and prospects for future detections
12.10pm - 12.30pm	O. Gottlieb	A Unified Picture of Short and Long Gamma-ray Bursts from Compact Binary Mergers
12.30pm - 12.50pm	R. Duque	Extended emission in short gamma-ray bursts from fallback accretion
12.50pm - 2.20pm	Lunch break	
Session: Black holes -- Chair: S. Corbel		
2.20pm - 2.50pm	E. Gutierrez	Radiation from accreting supermassive binary black holes approaching merger
2.50pm - 3.10pm	K. Koki	High-Energy Gamma-Ray Emission from Isolated Stellar-Mass Black Hole Magnetospheres
3.10pm - 3.30pm	D. Perez	Supercritical accretion disks with winds in General Relativity
3.30pm -	G. Romero	Concluding remarks
4.00pm -	End of the conference	