



# High Energy Phenomena in Relativistic Outflows VII (HEPRO VII)

## Tuesday, 9 July 2019

### Formation and propagation of relativistic outflows - Aula Magna Enric Casassas (09:30 - 11:00)

-Conveners: Maxim Barkov

time	[id] title	presenter
09:30	[100] PROPAGATION AND STABILITY OF RELATIVISTIC JETS	PERUCHO PLA, Manel
10:00	[101] PLASMA INJECTION AND HIGH-ENERGY EMISSION IN BLACK HOLE MAGNETOSPHERES	LEVINSON, Amir
10:30	[164] MHD Accretion Disk Winds and the Blazar Sequence	BOULA, Stella
10:45	[175] Magnetically arrested disks around black hole, and jet formation	BISNOVATYI-KOGAN, Gennady

### Formation and propagation of relativistic outflows - Aula Magna Enric Casassas (11:30 - 12:50)

-Conveners: Valenti Bosch-Ramon

time	[id] title	presenter
11:30	[105] IMAGING SUPERMASSIVE BLACK HOLES WITH THE EVENT HORIZON TELESCOPE	GÓMEZ, José Luís
11:50	[104] GRMHD SIMULATIONS OF JET FORMATION WITH APPLICATION TO THE EHT ANALYSIS	PORTH, Oliver
12:20	[155] Probing the dynamics of AGN jets with advanced semi-analytical modelling	LUCCHINI, Matteo
12:35	[119] Structure of a collisionless pair jet in a magnetized electron–proton plasma: flow-aligned magnetic field	DIECKMANN, Mark Eric

### Formation and propagation of relativistic outflows - Aula Magna Enric Casassas (14:30 - 15:45)

-Conveners: Manel Perucho Pla

time	[id] title	presenter
14:30	[108] THE INTERACTION OF JETS WITH OBSTACLES	TORRES-ALBÀ, Núria
15:00	[152] Laboratory simulation of jet propagation in ambient medium with Plasma Focus facilities	KRAUZ, Vyacheslav
15:15	[134] Relativistic Jets from black hole accretion disc	CHATTOPADHYAY, Indranil
15:30	[183] Reconnection and Associated Flares in Global Relativistic Jets Containing Helical Magnetic Fields with PIC Simulations	NISHIKAWA, Kenichi