

**Session Program**

Jul 9 - 12, 2019

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

***Formation and propagation of relativistic outflows***

Facultat de Física, Universitat de Barcelona, Aula Magna Enric Casassas  
C/ Martí i Franquès 1, 08028 Barcelona, Spain

## Tue, July 9

9:30 AM

### Formation and propagation of relativistic outflows

Session |

Location: Facultat de Física, Universitat de Barcelona, Aula Magna Enric Casassas, C/ Martí i Franquès 1, 08028 Barcelona, Spain |

Convener: Maxim Barkov

9:30 – 10:00 AM

#### PROPAGATION AND STABILITY OF RELATIVISTIC JETS

Speaker

Manel Perucho Pla

10:00 – 10:30 AM

#### PLASMA INJECTION AND HIGH-ENERGY EMISSION IN BLACK HOLE MAGNETOSPHERES

Speaker

Amir Levinson

10:30 – 10:45 AM

#### MHD Accretion Disk Winds and the Blazar Sequence

Speaker

Stella Boula

10:45 – 11:00 AM

#### Magnetically arrested disks around black hole, and jet formation

Speaker

Gennady Bisnovatyi-Kogan

11:00 AM

11:30 AM

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Convener: Valenti Bosch-Ramon

11:30 – 11:50 AM

#### IMAGING SUPERMASSIVE BLACK HOLES WITH THE EVENT HORIZON TELESCOPE

Speaker

José Luís Gómez

11:50 AM – 12:20 PM

#### GRMHD SIMULATIONS OF JET FORMATION WITH APPLICATION TO THE EHT ANALYSIS

Speaker

Oliver Porth

12:20 – 12:35 PM

#### Probing the dynamics of AGN jets with advanced semi-analytical modelling

Speaker

Matteo Lucchini

12:35 – 12:50 PM

#### Structure of a collisionless pair jet in a magnetized electron–proton plasma: flow-aligned magnetic field

Speaker

Mark Eric Dieckmann

12:50 PM

2:30 PM

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Convener: Manel Perucho Pla

2:30 – 3:00 PM

### THE INTERACTION OF JETS WITH OBSTACLES

Speaker

Núria Torres-Albà

3:00 – 3:15 PM

### Laboratory simulation of jet propagation in ambient medium with Plasma Focus facilities

Speaker

Vyacheslav Krauz

3:15 – 3:30 PM

### Relativistic Jets from black hole accretion disc

Speaker

Indranil Chattopadhyay

3:30 – 3:45 PM

### Reconnection and Associated Flares in Global Relativistic Jets Containing Helical Magnetic Fields with PIC Simulations

Speaker

Kenichi Nishikawa

3:45 PM