



22-25 January 2019
University of Padova
Italy

FIRST CIRCULAR (25/05/2018):

We are pleased to announce the conference “**eXtreme19**” that will be held at the University of Padova, close to the heart of the historical city, on January 22-25, 2019.

The conference aims at gathering together scientists from different fields, mainly astronomy, cosmology, astroparticle, and fundamental physics. The main purpose is to review the present experimental and theoretical knowledge of particle acceleration and multi-messenger emission from these extreme accelerators, discussing their potential roles in modern cosmology and fundamental physics.

The meeting will cover the following topics:

- Extreme blazars and the blazar family
- Mechanisms of particle acceleration and radiation in jets
- Extreme blazars as neutrino factories
- Extreme blazars and the connection with the highest energy cosmic rays
- Cosmology and fundamental physics
- Future observatories

The abstract submission for oral and poster contributions is open. The **deadline for abstract submission is fixed to October 31, 2018**.

➤ CONFIRMED REVIEW SPEAKERS

Luigi Costamante (ASI)
Paolo Padovani (ESO)
Elisa Pueschel (DESY)
Elisa Resconi (TUM)
Andrew Taylor (DESY)
Fabrizio Tavecchio (INAF)

➤ Practical info and contacts:

Web site: <http://agenda.infn.it/event/eXtreme19>

Email: extreme19@dfa.unipd.it

We would be grateful if you could bring this announcement to the attention of your colleagues. The poster can be found in pdf format on the website.

Looking forward to meeting you in Padova,
Elisa Prandini & Jonathan Biteau
on behalf of the SOC

<u>SCIENTIFIC ORGANIZING COMMITTEE</u>	<u>LOCAL ORGANIZING COMMITTEE</u>
Jonathan Biteau (IPNO) & Elisa Prandini (UniPd) - Chairs	Luca Foffano (UniPd) – Chair
Anna Francowiak (DESY)	Michele Doro (UniPd)
Kumiko Kotera (IAP)	Manuela Mallamaci (Infn-Pd)
Matt Lister (Purdue U.)	Simona Paiano (INAF-Pd)
Maria Petropoulou (Princeton U.)	Elisa Prandini (UniPd)
Paolo Padovani (ESO)	Alessia Spolon (UniPd)
Fabrizio Tavecchio (INAF)	<u>SECRETARY</u>
	Adriana Schiavon (UniPd)

