

# Opening a new window in GRB physics



**Monday, 27 April 2020 - Thursday, 30 April 2020**

**Scuola Normale Superiore - Pisa**

## Scientific topics

## **GRB observations, populations; review and status**

Session April 28 - "The new TeV window on the energetic component of GRBs. Observational status".

## **Observational status of the high energy component before GRB190114C**

Session April 28 - "The new TeV window on the energetic component of GRBs. Observational status".

## **Present TeV observations of GRBs**

Session April 28 - "The new TeV window on the energetic component of GRBs. Observational status".

## **The theoretical landscape of GRB**

Session April 29 - "Phenomenology and theory of energetic GRB and physical implication".

## **The theory of energetic and TeV GRBs**

Session April 29 - "Phenomenology and theory of energetic GRB and physical implication".

## **Implications on fundamental physics (LIV, EBL, dark matter)**

Session April 29 - "Phenomenology and theory of energetic GRB and physical implication".

## **Implications on GW and Cosmology**

Session April 29 - "Phenomenology and theory of energetic GRB and physical implication".

## **Phenomenological and theoretical prospects**

Session April 30 - "Back to the future: revisiting prospects for GRB"

## **Observational prospects with present (and future) instruments; observational strategies, cosmological measurements**

Session April 30 - "Back to the future: revisiting prospects for GRB"

## **The future of TeV GRB: status reports on projects and instruments**

Session April 30 - "Back to the future: revisiting prospects for GRB"