



**Laboratório de Instrumentação e
Física Experimental de Partículas**

Seminário LIP

Monday Feira, 2 de Dezembro, 17h00

Multi-messenger Astrophysics for observing the high-energy universe

Teresa Montaruli

(Univ. Geneve / Chair of APPEC)

I will describe how photons can be complemented for the observation of the non-thermal universe by neutrinos and gravitational way.

IceCube, with its cubic-kilometric volume deep in the ice of the South Pole, is now monitoring the sky looking for neutrino flares of compact objects like pulsars and black holes.

I will present its recent results on cosmic exploration and on fundamental physics such as neutrino oscillations.

Local: Auditório do 3Is

LIP, Av. Prof. Gama Pinto, No 2, 1649-003 Lisboa

<https://indico.lip.pt/event/634/>