Contribution ID: **62** Type: **not specified**

Multi-messengers from transient candidates of UHECRs

Thursday, 13 October 2016 09:20 (20 minutes)

In the transient sky are found the most violent phenomena in the universe. These phenomena are the best known spots to supply enough energy and flux to ultrahigh energy astroparticles at the observed level. In this talk, we will focus on some of these powerful objects (e.g., gamma-ray bursts, young pulsars, magnetars, superluminous supernovae, black hole mergers) and estimate their expected signatures in terms of multi-messengers (cosmic rays, neutrinos, photons et gravitational waves). We will compare these predictions to the latest multi-messenger data and the new time-domain information, in order to assess the likelihood of these objects to be sources of ultrahigh energy cosmic rays.

Presentation type

oral

Primary author: KOTERA, Kumiko (Institut d'Astrophysique de Paris)

Presenter: KOTERA, Kumiko (Institut d'Astrophysique de Paris)

Session Classification: Oct.13AM1