Contribution ID: **93** Type: **not specified**

# Anisotropy of ultra-high energy cosmic rays

*Monday, 7 October 2019 11:40 (40 minutes)*

Important observational results have been recently reported on the angular distributions of cosmic rays at ultra-high energies, calling into question their perception a decade ago. The extragalactic origin of the particles has been determined observationally. While no discrete source of ultrahigh-energy cosmic rays has been identified so far, the noose is tightening around nearby extragalactic objects. These results together with their in-progress interpretations are summarized in this contribution, covering both large-scale and small-scale anisotropies from sub-EeV energies to the highest ones. Some prospects are finally discussed.

**Primary author:** DELIGNY, Olivier (Institut de Physique Nucléaire d'Orsay)

**Presenter:** DELIGNY, Olivier (Institut de Physique Nucléaire d'Orsay)