Contribution ID: 83 Type: Invited

Multimessenger View of High-Energy Cosmic Neutrino Sources

Thursday 10 October 2024 11:40 (40 minutes)

The discovery of high-energy cosmic neutrinos opened a new window of astroparticle physics. Their origin is a new mystery in the field, which is tightly connected to the long-standing puzzle about the origin of cosmic rays. I will discuss theoretical implications of the latest results on high-energy neutrino observations, and demonstrate the power of multimessenger approaches. In particular, I will highlight the recent developments about astrophysical neutrino emission from supermassive black holes and the Galactic plane.

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Session Classification: Neutrino astronomy