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## **Introduction to multi-messenger astronomy**

### **Abstract**

The new and exciting field of multi-messenger astronomy aims at the study of astronomical sources using different types of "messenger" particles: photons, neutrinos, cosmic rays and gravitational waves. In this talk an introductory overview of the astrophysical sources expected to emit transient multi-messenger signals as well as the multi-messenger observational techniques, strategies and analysis will be discussed briefly.