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The neutrino role in multi-messenger strategies

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New windows in the study of the high-energy universe have been opened by large volume detectors in underground laboratories or underwater/ice, huge surface shower arrays, particle detectors sent into space and by gravitational wave interferometers. Neutrino observations play a central role in multi-messenger strategies in astrophysics, cosmology and particle physics. The talk intends to survey the status of on-going strategy to connect traditional astronomical observation with the detection of neutrinos and other cosmic probes: charged cosmic-rays, GeV and TeV gamma-rays, gravitational waves.

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