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Results of the follow-up of external triggers with KM3NeT

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The strength of multi-messenger astronomy allows to deeply investigate the Universe by combining observations with diverse messengers, such as photons, gravitational waves, high-energy charged particles and neutrinos. The chance of detecting new astrophysical sources is increased by a coincident detection, which motivates several observatories to send external alerts and perform follow-ups.
The deep-sea KM3NeT Cherenkov telescope is currently being constructed in the Mediterranean sea with ORCA off-shore Toulon (France), and ARCA off-shore Capo Passero in Sicily (Italy). Being sensitive to an extended neutrino energy range (from MeV to PeV energies), KM3NeT is playing an active role in the context of multimessenger astronomy.
This contribution presents the latest results of the real-time search (follow-up) for neutrinos in coincidence with astrophysical sources performed with the real-time multi-messenger analysis framework.

Poster prize

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