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Electromagnetic transient surveys: A key to progress in HE neutrino astronomy

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The detection of high energy (HE) extra-Galactic neutrinos by IceCube demonstrates the potential held by neutrino astronomy for identifying the sources of HE cosmic rays and for providing unique constraints on models of high energy astrophysical sources. Fulfilling this potential relies on the electromagnetic identification of the neutrino sources. I will discuss what we have learned from detecting HE neutrinos and what is required to make significant progress, particularly towards enabling electromagnetic identification of the sources.

Summary

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