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Review on high energy neutrino measurements

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High-energy neutrinos are an important messenger particle to understand the high-energy universe. In 2013, the IceCube Neutrino Observatory has reported the first observation of a flux of high-energy astrophysical neutrinos with energies reaching above PeV. However, the sources of these neutrinos remain a puzzle. Since then, these measurements have been refined and the observation has been confirmed with independent data sets. This talk will give an overview of the observations with a focus on the most recent results and gives an outlook to the future.

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