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Multi-Messenger Astronomy

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Astronomy began with people looking at the night sky to see the visible light from the stars. As technology was developed, they augmented their own eyes with optical telescopes, then radio telescopes, then even launched satellites to detect other wavelengths of light from infrared to UV to x-rays and gamma-rays. Today the study of the stars has branched out to use giant detectors on the earth which not only look at the highest energy light in the universe, but also use other messengers beyond light such as neutrinos and even gravitational waves to study the sky. In this talk we will present a look at this emerging field of “multi-messenger astronomy” describing a new generation of experiments which are giving us a new look at the Universe.

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