The University of Texas at San Antonio

UTSA Physics and Astronomy

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First observation of gravitational waves and light from a double neutron star merger: The radio story

When a pair of superdense neutron stars collided in a galaxy 130 million light-years from Earth, an event dubbed GW170817, they unleashed not only a train of gravitational waves but a cascade of photons at all wavelengths, including an ongoing torrent of radio waves. In this talk, I will review the fantastic story of GW170817, with emphasis on the observations carried out in radio with the Karl G. Jansky Very Large Array.
I will conclude highlighting the impact that this discovery has on the future of multi-messenger astronomy.

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