

# Vulcano Workshop 2018 - Frontier Objects in Astrophysics and Particle Physics



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## Radio counterparts of GW events

On 2017 August 17, the field of gravitational-wave (GW) astronomy made the big leagues with a dazzling discovery. After several GW detections of black hole (BH)-BH mergers with no convincing electromagnetic counterparts, advanced LIGO and Virgo scored their first direct detection of GWs from a binary neutron star (NS) merger, an event dubbed GW170817. Soon after the GW discovery, GW170817 started gifting the astronomical community with an electromagnetic counterpart spanning all bands of the spectrum. In this talk, I will review what we have learned from GW170817 focusing on the radio band, what questions remain open, and what are the prospects for future EM-GW studies of the transient sky.

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