

Outflow from Neutron Star Mergers

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A neutron star merger, GW170817, was discovered by Advanced LIGO. The gravitational wave signal is followed by electromagnetic counterparts in multi-wavelength including GRB 170817A, kilonova, and non-thermal synchrotron afterglow. These emissions are produced by outflows launched in the merger. I will talk about the properties of different components of merger outflows and implications of electromagnetic observations of GW170817.

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