

Neutron star and black hole binary mergers: the first results of the LIGO-Virgo era

A Royal Astronomical Society Specialist Discussion Meeting organised by

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Programme:

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10:00 – 10:30 Registration & Coffee

Morning Session (10.30 – 12.30)

10.30 Short Intro

10.30 – 11.10 Andrew Levan, Radboud University

Progress so far on the first results from GW observations and follow-up

11.10 – 11.40 Jennifer Barnes, Columbia University

The r-process from NS mergers

11.40 – 11.55 Mattia Bulla, Stockholm University

Shedding light on the geometry of kilonovae with linear polarimetry

11.55 – 12.10 Maurice H.P.M. van Putten, Sejong University

Multi-messenger extended emission from the compact remnant in GW170817

12.10 – 12.25 David Keitel, University of Portsmouth

Gravitational Lensing of Gravitational Waves from Binary Black Holes

12.25 – 12.45 Discussion

12.45 – 13.45 Lunch

Afternoon Session (13.45 – 15.30)

13.45 – 14.15 Albino Perego, University of Trento

Modelling of BNS mergers in the multimessenger era

14.15 – 14.45 Samaya Nissanke, University of Amsterdam

Gravitational Wave Astrophysics and Cosmology from Neutron Star Binary Mergers

14.45 – 15.00 Hendrik van Eerten, University of Bath

GRB Afterglow analysis in the Multi-Messenger Era

15.00 – 15.15 Ben Gompertz, University of Warwick

A Search for Neutron Star-Black Hole Binary Mergers in the Short Gamma-Ray Burst Population

15.15 – 15.30 Discussion & Summary

#RASNSmergers