Local merging NS-NS rate

Rate [$\mathbf{Gpc^{-3}\,yr^{-1}}$]

10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5}

Gravitational waves

GWTC-2, Abbott et al. (2020f)

Short gamma-ray bursts

Coward et al. (2012)
Petrillo et al. (2013)
Fong et al. (2015)
Della Valle et al. (2018)
Jin et al. (2018)
Zhang et al. (2018)
Dichiara et al. (2020)

Kilonovae

Jin et al. (2016)
Doctor et al. (2017), DES
Kasliwal et al. (2017), PTF
Smartt et al. (2017), ATLAS
Yang et al. (2018), DLT40
Andreoni et al. (2021), ZTF

Galactic double neutron stars

O'Shaughnessy and Kim (2009)
Kim et al. (2015)
Pol et al. (2020)

Isolated binary evolution

Ghodla et al. (2021)
Tang et al. (2020)
Eldridge et al. (2019)
Mennekens and Vanbeveren (2014)
Kruckow et al. (2018)
Neijssel et al. (2019)
Vigna-Gómez et al. (2018)
Artale et al. (2019)
Santoliquido et al. (2020)
Giacobbo and Mapelli (2020)
Baibhav et al. (2019)
Santoliquido et al. (2021)
Giacobbo and Mapelli (2018)
Mapelli and Giacobbo (2018)
Boco et al. (2019)
Lipunov and Pruzhinskaya (2014)
Klencki et al. (2018)
Chruslinska et al. (2019)
Chruslinska et al. (2018)
Belczynski et al. (2020)
Belczynski et al. (2018)
Dominik et al. (2015)
de Mink and Belczynski (2015)
O'Shaughnessy et al. (2010)
Olejak et al. (2021)

Triples

Hamers and Thompson (2019)

Globular clusters

Ye et al. (2020)
Belczynski et al. (2018a)
Lee et al. (2010)
Bae et al. (2014)
Samsing et al. (2014)

Nuclear star clusters

Petrovich and Antonini (2017)
Belczynski et al. (2018a)
Antonini and Perets (2012)
McKernan et al. (2020)
Wang et al. (2020)

Young/Open stellar clusters

Santoliquido et al. (2020)
Ziosi et al. (2014)

10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5}

Rate [$\mathbf{Gpc^{-3}\,yr^{-1}}$]