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

Galactic double neutron stars

O'Shaughnessy et al. (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 van Beveren (2014)
Kruckow et al. (2018)
Neijssel et al. (2019)
Vigna-Gomez et al. (2018)
Artale et al. (2019)
Santoliquido et al. (2020)
Giacobbo and Mapelli (2020)
Baibhav et al. (2019)
Santoliquido et al. (2021)
Mapelli and Giacobbo (2018)
Giacobbo and Mapelli (2018)
Boco et al. (2019)
Chruslinska et al. (2019)
Klencki et al. (2018)
Belczynski et al. (2020)
Chruslinska et al. (2018)
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

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

Nuclear star clusters

Petrovich and Antonini (2017)
Belczynski et al. (2018)
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 [$\mathbf{Gpc^{-3}\,yr^{-1}}$]