Local merging NS-BH 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

GWs: masses like detections, Abbott et al. (2021)
GWs: broad mass distribution, Abbott et al. (2021)

Isolated binary evolution

O'Shaughnessy et al. (2010)
Mennekens and van Beveren (2014)
de Mink and Belczynski (2015)
Dominik et al. (2015)
Giacobbo and Mapelli (2018)
Klencki et al. (2018)
Kruckow et al. (2018)
Mapelli and Giacobbo (2018)
Artale et al. (2019)
Baibhav et al. (2019)
Boco et al. (2019)
Chruslinska et al. (2019)
Eldridge et al. (2019)
Neijssel et al. (2019)
Belczynski et al. (2020)
Giacobbo and Mapelli (2020)
Santoliquido et al. (2020)
Tang et al. (2020)
Broekgaarden et al. (2021)
Ghodla et al. (2021)
Olejak et al. (2021)
Roman-Garza et al. (2021)
Santoliquido et al. (2021)

Chemically homogeneous evolution

Marchant et al. (2017)

Population III stars

Belczynski et al. (2017)

Triples

Fragione and Loeb (2019)
Hamers and Thompson (2019)

Globular clusters

Clausen et al. (2013)
Arca-Sedda et al. (2020)
Ye et al. (2020)

Nuclear star clusters

Petrovich and Antonin et al. (2017)
Stephan et al. (2019)
Arca-Sedda et al. (2020)
McKernan et al. (2020)
Wang et al. (2020)

Young/Open stellar clusters

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

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

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