

Local merging NS-BH rate

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

10^{-3}

10^{-2}

10^{-1}

10^0

10^1

10^2

10^3

10^4

10^5

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

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

Gravitational waves

Isolated binary evolution

Ghodla et al. (2021)

Tang et al. (2020)

Eldridge et al. (2019)

Hamers and Thompson (2019)

Mennekens and van Beveren (2014)

Kruckow et al. (2018)

Broekgaarden et al. (2021)

Neijssel et al. (2019)

Santoliquido et al. (2021)

Giacobbo and Mapelli (2018)

Mapelli and Giacobbo (2018)

Baibhav et al. (2019)

Giacobbo and Mapelli (2020)

Artale et al. (2019)

Roman-Garza et al. (2021)

Boco et al. (2019)

O'Shaughnessy et al. (2010)

Klencki et al. (2018)

Dominik et al. (2015)

de Mink and Belczynski (2015)

Belczynski et al. (2020)

Chruslinska et al. (2019)

Olejak et al. (2021)

Chemically homogeneous evolution

Marchant et al. (2017)

Belczynski et al. (2017)

Population III stars

Triples

Hamers and Thompson (2019)

Fragione and Loeb (2019)

Globular clusters

Arca-Sedda et al. (2020)

Clausen et al. (2013)

Ye et al. (2020)

Nuclear star clusters

Petrovich and Antonin et al. (2017)

Stephan et al. (2019)

Arca-Sedda et al. (2020)

Wang et al. (2020)

McKernan et al. (2020)

Young/Open stellar clusters

Rastello et al. (2020)

Ziosi et al. (2014)

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