Local merging NS-BH rate

Rate $[\mathrm{Gpc}^{-3}\,\mathrm{yr}^{-1}]$ 10^{-2} 10^{-3} 10^1 10^3 10^{0} 10^2 10^{-1} 10^4 10^5 Gravitational waves Abbott et al. (2021b), masses like GW200105 and GW200115 Abbott et al. (2021b), broad NS-BH mass distribution Isolated binary evolution O'Shaughnessy et al. (2010) Mennekens and Vanbeveren (2014) de Mink and Belczynski (2015) Dominik et al. (2015) Ablimit and Maeda (2018) 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) Zevin et al. (2020) Broekgaarden et al. (2021) Ghodlà et al. (2021)Olejak et al. (2021) Román-Garza et al. (2021) Santoliquido et al. (2021) Shao and Li (2021) Chemically homogeneous evolution → Marchant et ål. (2017) Population III stars ♦ Belczynski et al. (2017) **Triples** • Fragione and Loeb (2019a,b) Hamers and Thompson (2019) Globular clusters Clausen et al. (2013) Arca Sedda (2020a) Ye et al. (2020) Nuclear star clusters Petrovich and Antonini et al. (2017) Stephan et al. (2019) Arca Sedda (2020a) McKernan et al. (2020)Wang et al. (2020) Young/Open stellar clusters Ziosi et al. (2014) Rastello et al. (2020) Santoliquido et al. (2020) Arca Sedda (2021)

 10^1

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

 10^2

 10^3

 10^4

 10^5

 10^{-2}

 10^{-3}

 10^{-1}

 10^0