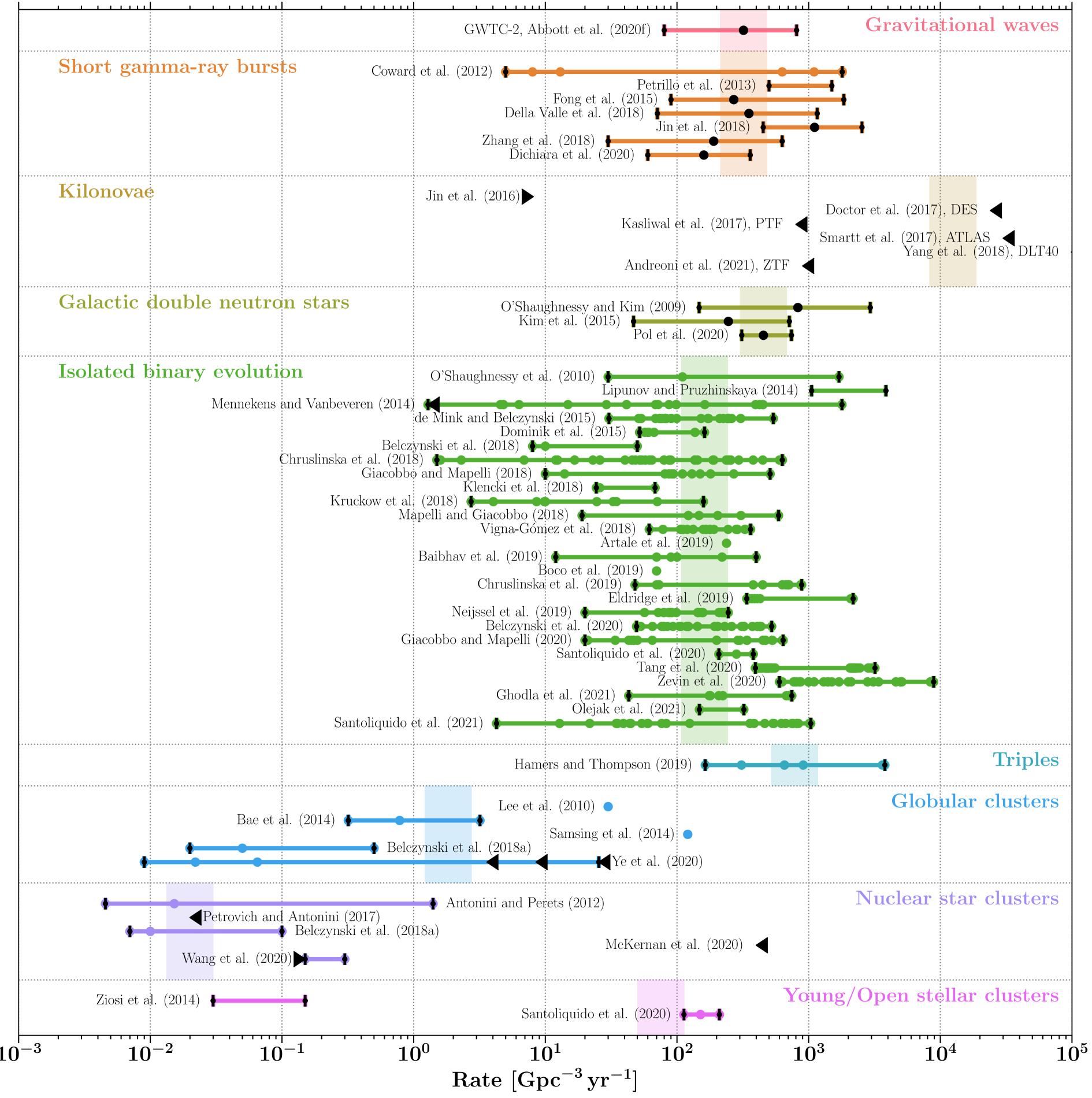
Local merging NS-NS rate Rate  $[\mathrm{Gpc}^{-3}\,\mathrm{yr}^{-1}]$  $10^{-1}$  $10^{3}$  $10^{0}$  $10^{1}$  $10^{2}$  $10^4$  $10^{5}$ Gravitational waves GWTC-2, Abbott et al. (2020f) Coward et al. (2012)Petrillo et al. (2013) Fong et al. (2015) Della Valle et al. (2018) Jin et al. (2018) Zhang et al. (2018) Dichiara et al. (2020)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 O'Shaughnessy and Kim (2009) Kim et al. (2015) Pol et al. (2020) O'Shaughnessy et al. (2010) Lipunov and Pruzhinskaya (2014) de Mink and Belczynski (2015) 🌗 Dominik et al. (2015) Belczynski et al. (2018) Chruslinska et al. (2018) Giacobbo and Mapelli (2018) Klencki et al. (2018) Kruckow et al. (2018) Mapelli and Giacobbo (2018) Vigna-Gômez et al. (2018) Artalé 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) Sántoliquido et al. (2020) Tang et al. (2020) Zevin et al. (2020) Ghodla et al. (2021) Olejak et al. (2021) Santoliquido et al. (2021) **Triples** Hamers and Thompson (2019) Globular clusters Lee et al. (2010) • Bae et al. (2014) Samsing et al. (2014) ♦ Belczynski et al. (2018a) Ye et al. (2020)



 $10^{-3}$ 

 $10^{-2}$