

# Local BHBH merger rates

$\mathcal{R}_m^0$  [Gpc<sup>-3</sup> yr<sup>-1</sup>]

10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup>

observations

GWTC-2-z-independent  
GWTC-2:TRUNCATED  
GWTC-2:withGW190814  
GWTC-2-z-dependent

Bulik11  
Inoue16

Finke2017

isolated binaries

Mennekens-VanBeveren14

Tang20

Eldridge19

Lamberts16

Kruckow18

Riley20

Neijssel19

Mapelli20

Santoliquido20

Giacobbo20

Mapelli18

Giacobbo18

Baibhav19

Roman-Garza20

Bavera21

Spera19

Nelemans03

Voss-Tauris03

Chruslinska19

Klencki18

Chruslinska18

Belczynski20

deMink15

Stevenson15

Dominik15

OShaughnessy10

Olejak21

CHE

Riley20

Marchant16

duBuisson20

MandelDeMink16

dynamical: GC

Arca-Sedda20

Mapelli20

Rodriguez18

Kremer20

Askar17

Park17

Rodriguez16

Antonini-Rasio16

Hong18

Fragione-Kocsis18

AntoniniGieles

dynamical: NC

Arca-Sedda20

Mapelli20

Petrovich-Antonini17

OLEary09

Antonini-Perets12

Antonini-Rasio16

McKernan18

Samers18

Yang2020

dynamical: YSC

Mapelli20

Ziosi14

Mapelli16

Silsbee-Tremaine17

Antonini17

Rodriguez-Antonini18

Martinez20

triples

Tanikawa21

Hijikawa21

Belczynski17

Kinugawa21

Kinugawa14

Bird16

Chen19

primordial

Bird16

Dvorkin16

other

Elbert18

$\mathcal{R}_m^0$  [Gpc<sup>-3</sup> yr<sup>-1</sup>]

10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup>