Parameter means for BHBH type DCO 14 $9.5104~M_{\odot}$ $7.7068~M_{\odot}$ $9.0291~M_{\odot}$ 15.0 15.0 12 12.5 [12.5 <u>₩</u> 10.0 E 7.5 m2_{DCO} [M☉] m_{chirp} [M☉] 10 10.0 8 7.5 7.5 6 5.0 5.0 4 2.5 0.4748 -1.3489 AU 0.0172 -0.80.025 8.0 -1.0log₁₀ [a_{DCO}] [AU] 0.020 0.6 -1.2**6**DC0 Ν -1.40.4 0.015 -1.60.2 0.010 -1.80.0 6.5731 Myr 2.2095 Gyr 1.1539 3.5 1.6 log₁₀ [t_{lookback}] [Gyr] 2. 2 0. 2 1. 5 1.5 8 1.4 t_{evol} [Myr] 9 **S** 1.2 1.0 0.8 1.0 5 0 25 50 50 75 25 50 75 100 0 25 100 75 100 Number of galaxies Number of galaxies Number of galaxies