

$$N_{\mathrm{C\ II}} \sim 3 \times 10^9$$

$$N_{\mathrm{C\ II}} \sim 1 \times 10^8 \, (\mathrm{Jy/sr})^2 \, \mathrm{Mpc}^3$$

$$N_{\mathrm{C\ II}} \sim 4 \times 10^6$$