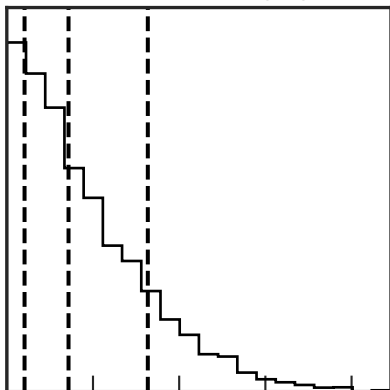
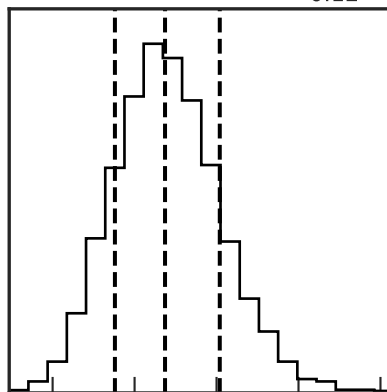


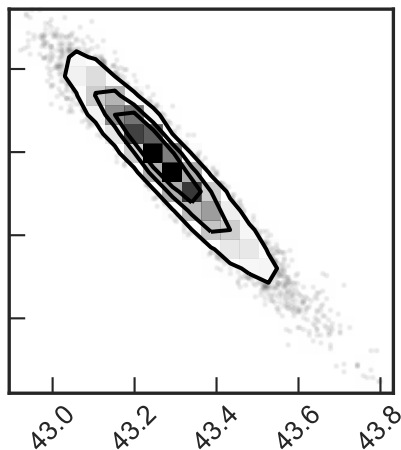
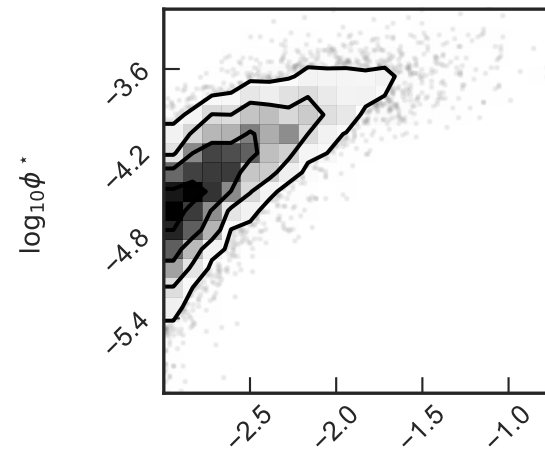
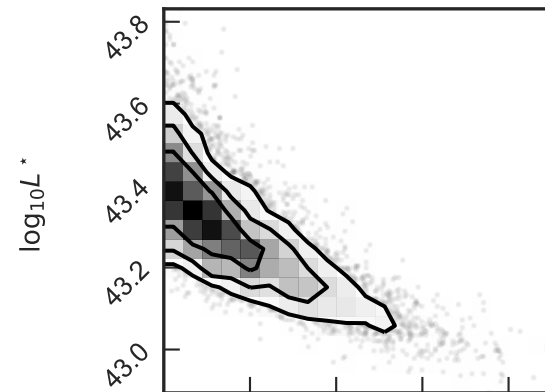
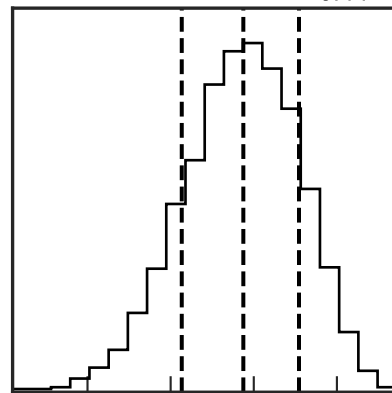
$$\alpha = -2.64^{+0.46}_{-0.26}$$



$$\log_{10} L^* = 43.27^{+0.13}_{-0.12}$$



$$\log_{10} \phi^* = -4.28^{+0.40}_{-0.44}$$

 α $\log_{10} L^*$ $\log_{10} \phi^*$