(f)Quasar Luminosity Functions in Host Halo Mass bins All SMBHs $13 < \log M_{
m peak} < 14$ dex_ $11 < \log M_{
m peak} < 12$ — $14 < \log M_{
m peak} < 15$ $12 < \log M_{
m peak} < 13$ $\sum_{\epsilon=0}^{10^{-5}} \frac{10^{-5}}{10^{-5}}$ Number Density [7] z = 3.0 10^{43} 10^{48} 10^{44} 10^{46} 10^{45} 10^{47} Bolometric Luminosity [ergs s⁻¹]