(f)Quasar Luminosity Functions in Host Halo Mass bins $13 < \log M_{
m peak} < 14$ All SMBHs $11 < \log M_{\rm peak} < 12$ —— $14 < \log M_{\rm peak} < 15$ $12 < \log M_{
m peak} < 13$ $\sum_{\epsilon=0}^{10^{-3}} 10^{-5}$ Number Density [] z = 1.0 10^{48} 10^{43} 10^{44} 10^{45} 10^{46} 10^{47} Bolometric Luminosity [ergs s⁻¹]

dex_