(f)Quasar Luminosity Functions in Host Halo Mass bins All SMBHs $13 < \log M_{
m peak} < 14$ $11 < \log M_{
m peak} < 12$ — $14 < \log M_{
m peak} < 15$ $12 < \log M_{
m peak} < 13$ Number 10⁻¹² z = 8.0 10^{48} 10^{43} 10^{44} 10^{45} 10^{46} 10^{47}

Bolometric Luminosity [ergs s⁻¹]

dex

Density $[{
m Mpc}^{-3}$