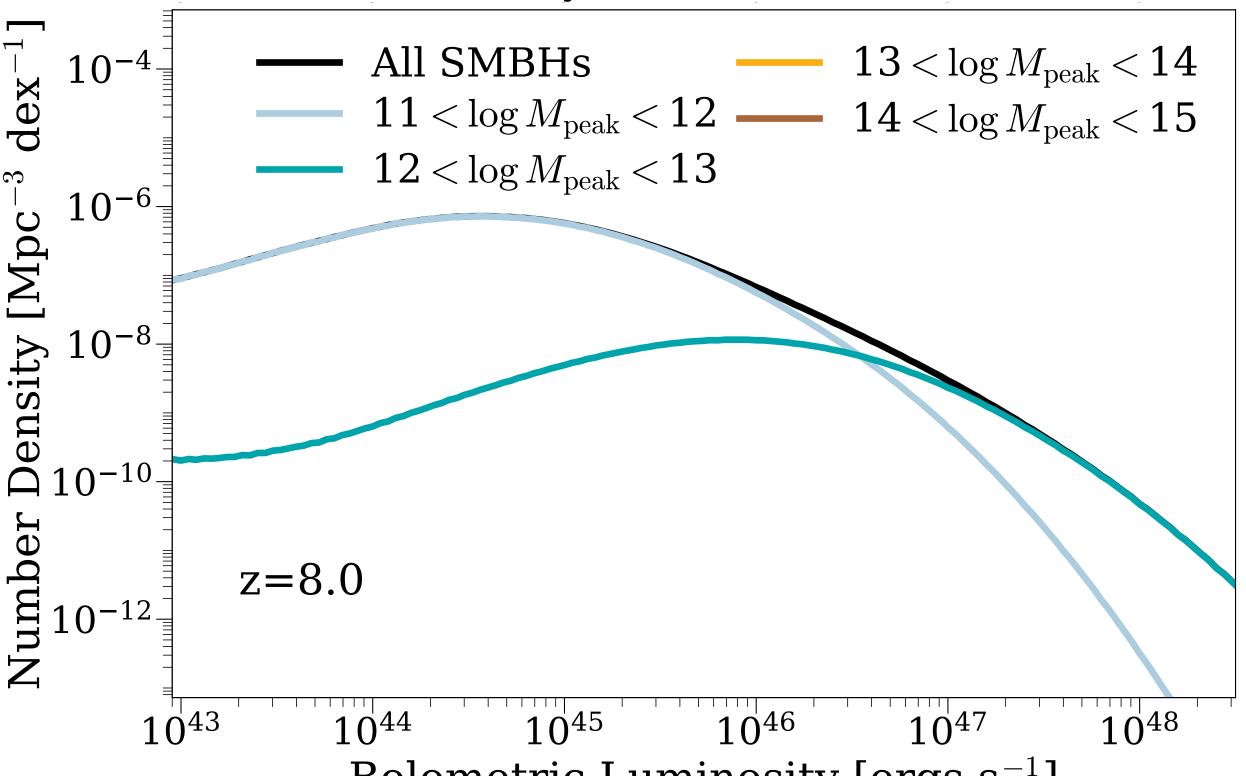
(f)Quasar Luminosity Functions in Host Halo Mass bins All SMBHs  $13 < \log M_{
m peak} < 14$  $11 < \log M_{
m peak} < 12$  —  $14 < \log M_{
m peak} < 15$ 



Bolometric Luminosity [ergs s<sup>-1</sup>]