

▶ significantly rarer than SF galaxies

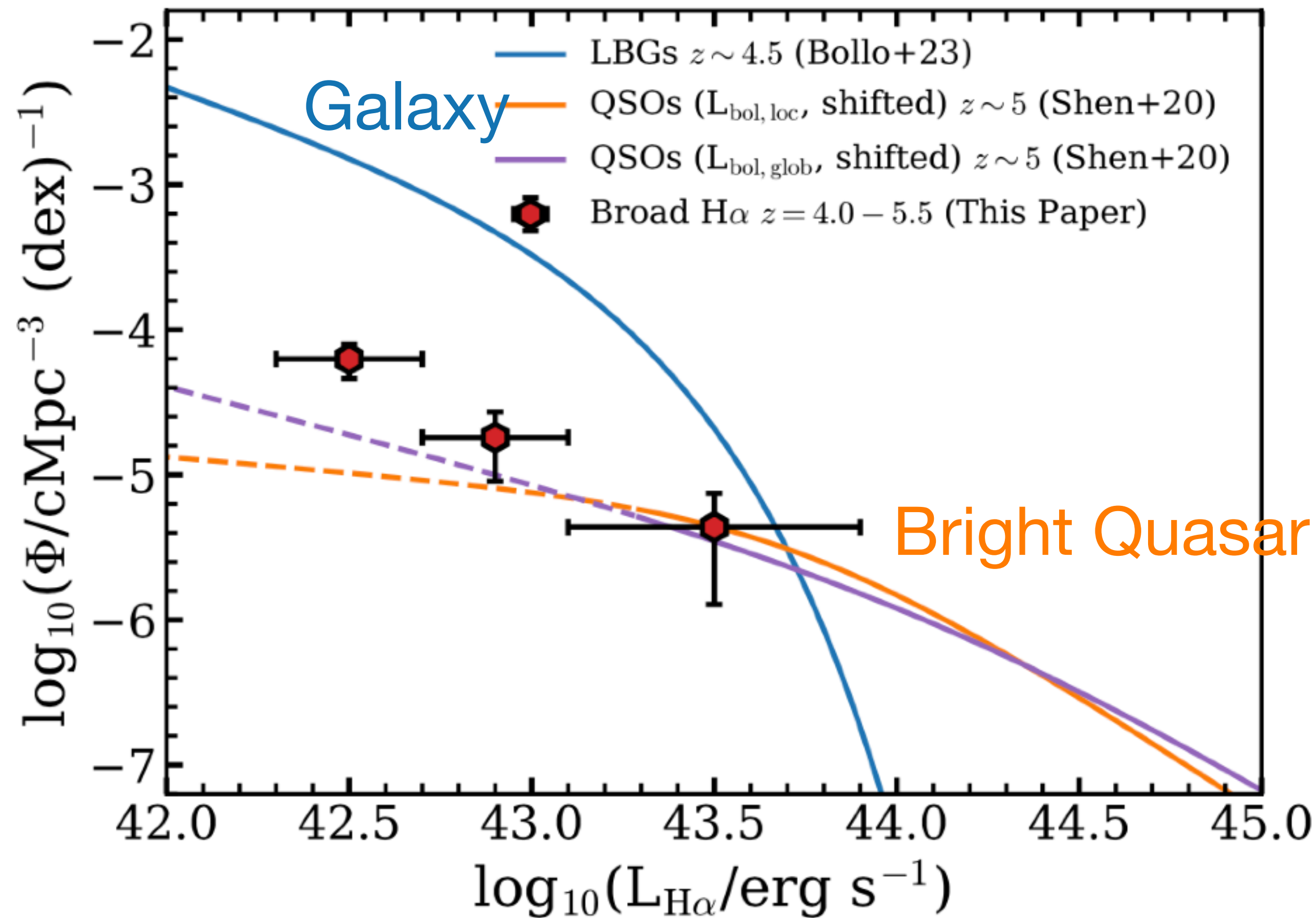
Galaxy



BrightQuasar

- ▶ faint end: high uncertainty
- ▶ brightest bin: significant contribution in H α flux from AGN (same as low- z)

Ha Luminosity Function



- ▶ significantly rarer than SF galaxies
- ▶ faint end: high uncertainty
- ▶ brightest bin: significant contribution in $\text{H}\alpha$ flux from AGN (same as low- z)

The first SMBH mass function at high- z

denser than previous quasar surveys \rightarrow comparable with large hydro-simulations

EAGLE, Horizon-AGN,

IllustrisTNG, Simba...

still $\Phi(M) = \frac{1}{\Delta M} \sum_i \frac{1}{V_{\text{max},i}}$, but ...