





logM\_BH > 7.5 ->> all AGNs with these mass & z-5 have broad Ha line

obs. agree with models for

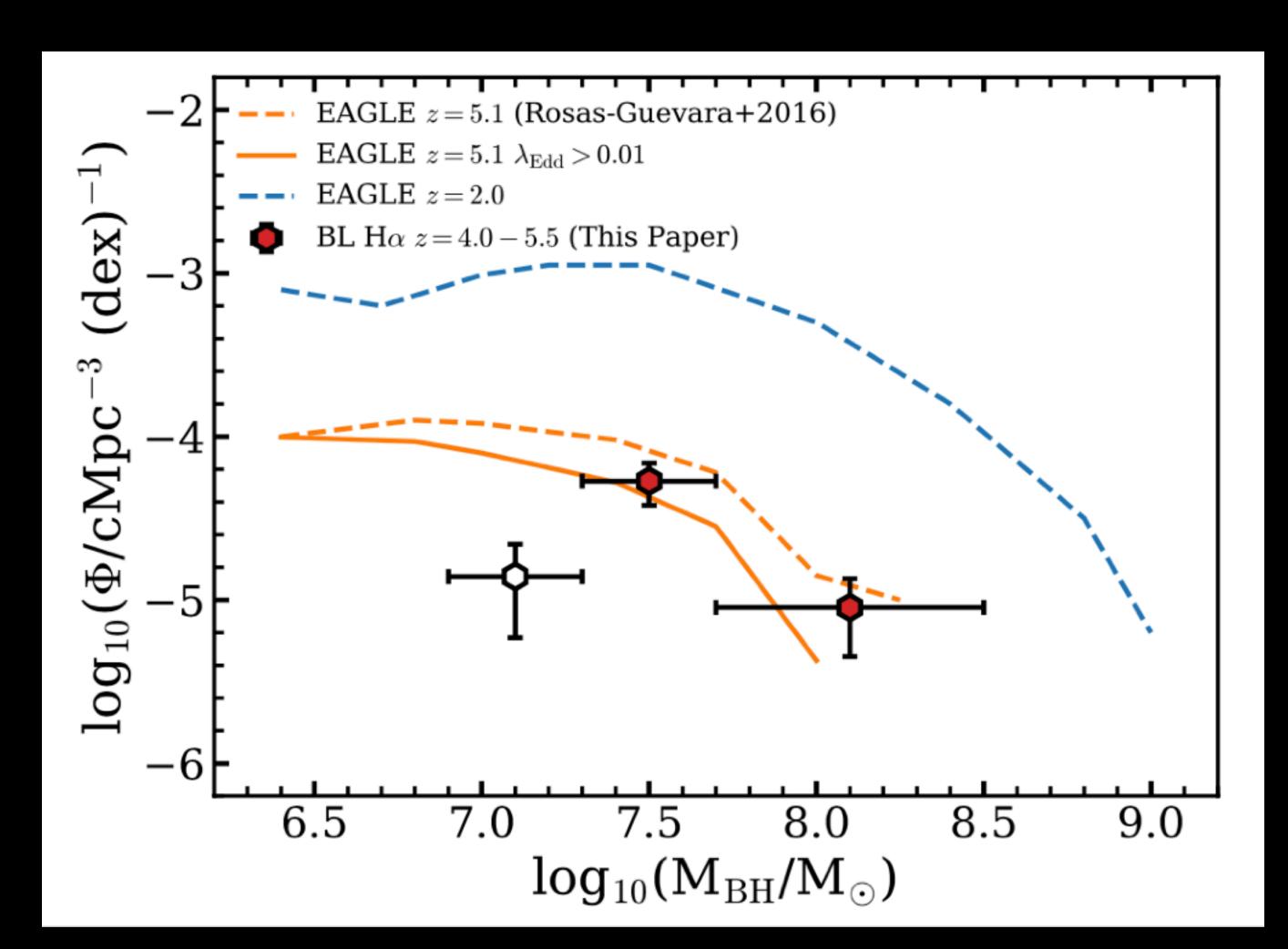
## 100 Mpc EAGLE simulation





## The first SMBH mass function at high-z

comparable to model



## 100 Mpc EAGLE simulation

- ► obs. agree with models for logM\_BH > 7.5 ->> all AGNs with these mass & z-5 have broad Ha line
- significant discrepancies around logM\_BH = 6.5 ->> incomplete

## What if there are missing samples or the mass is underestimate?

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