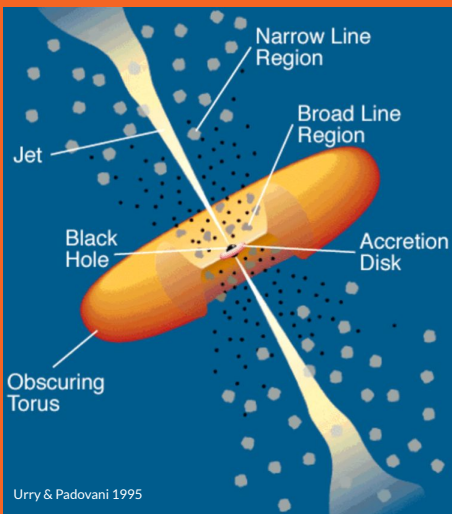


High-redshift: within 800 million
years after the Big Bang

Quasar: object that is 100 billion
times the solar luminosity
(illustration below)



Automated methods to find high-redshift quasars



Lena Lenz, Daniel Mortlock, Boris Leistedt, Stephen Warren, Rhys Barnett

Bayesian model comparison based on colours

(included populations: quasars, stars, early
type galaxies [Barnett et al. 2019])

$$\Rightarrow P_q$$

Stationary point source that follows quasar SED, model checking at pixel level

$$\Rightarrow \chi^2$$

