

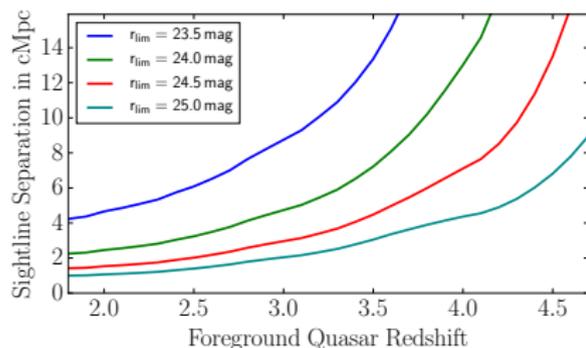
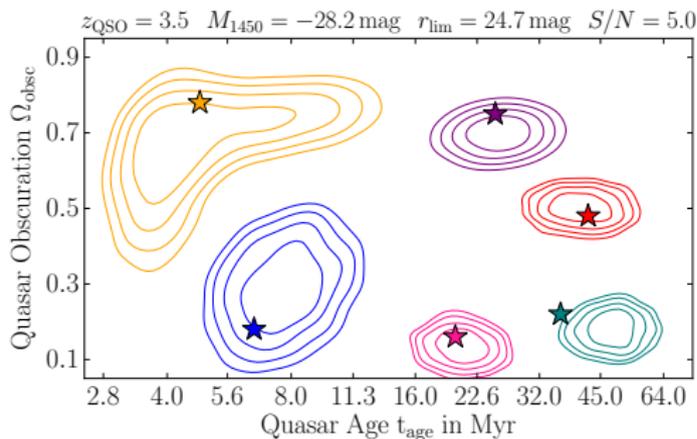


# Statistical Framework and Optimal Survey Strategy

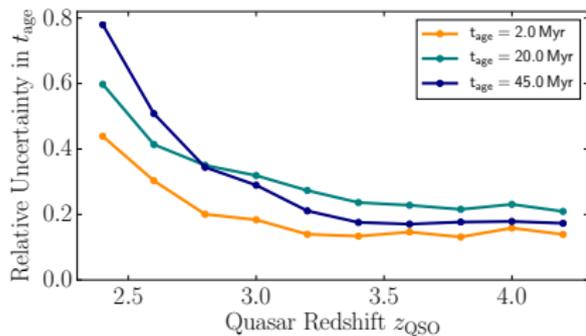
High sightline density at low  $z$

vs.

Strong proximity effect at high  $z$



Fully Bayesian analysis yields joint constraints on  $t_{\text{age}}$  and  $\Omega_{\text{obsc}}$



Precision 20% on  $t_{\text{age}}$ , 10% on  $\Omega_{\text{obsc}}$   
in 10 ks exposures over  $15' \times 15'$  FoV

Method works well for  $3 < z < 4.5$  !