



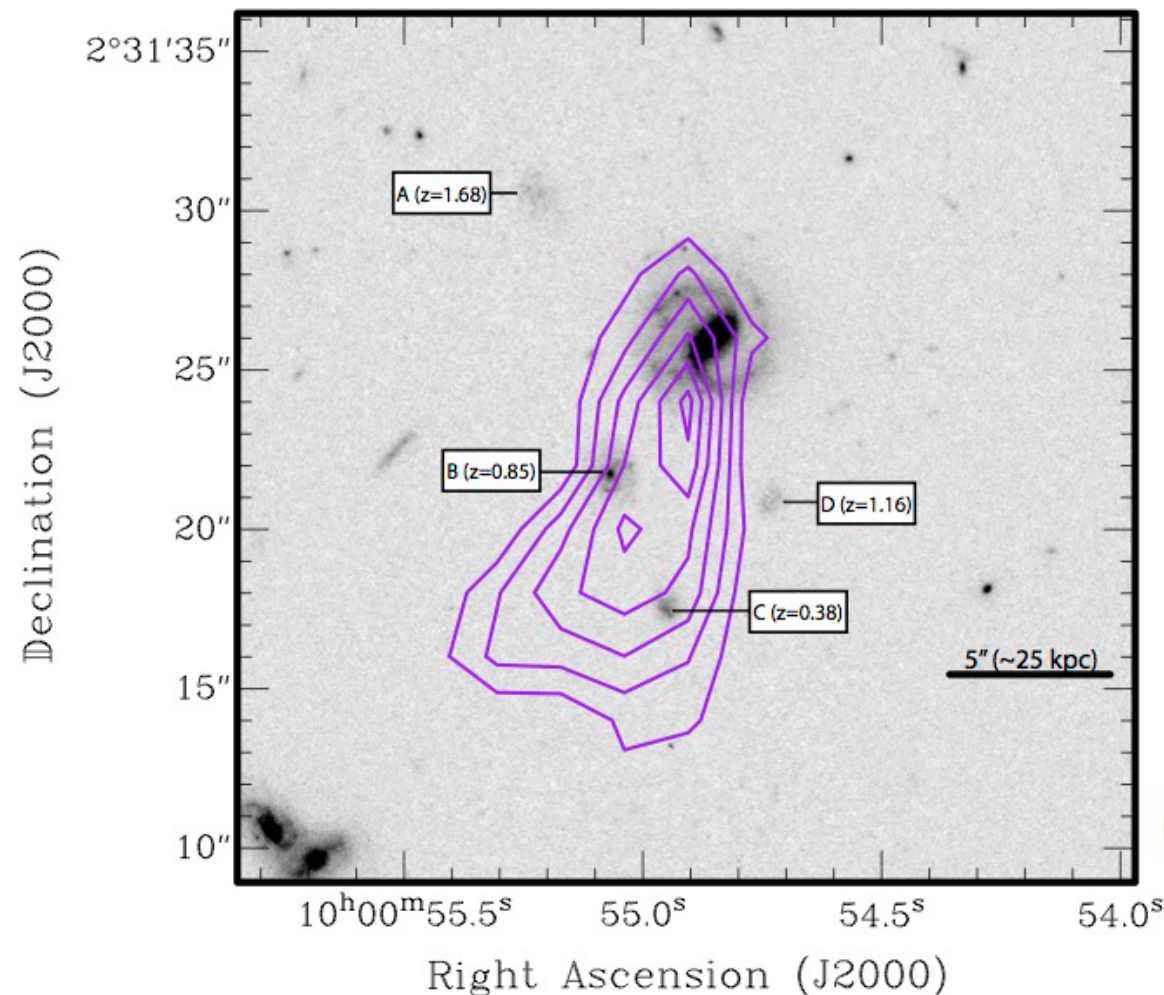
# CHILES

COSMOS HI LARGE EXTRAGALACTIC SURVEY

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- 1002 hr survey with the VLA observing the COSMOS field ( $0 < z < 0.5$ )

## Record-breaking HI detection at $z=0.376$ :



- large undisturbed spiral
- LIRG (SFR  $\sim 85 M_{\odot}/\text{yr}$ )
- CO luminosity comparable to star-forming galaxies at  $z \sim 1$

XF+ 16 submitted to ApJL