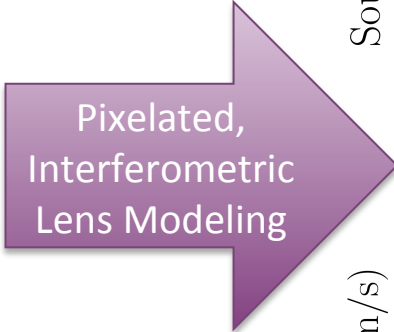
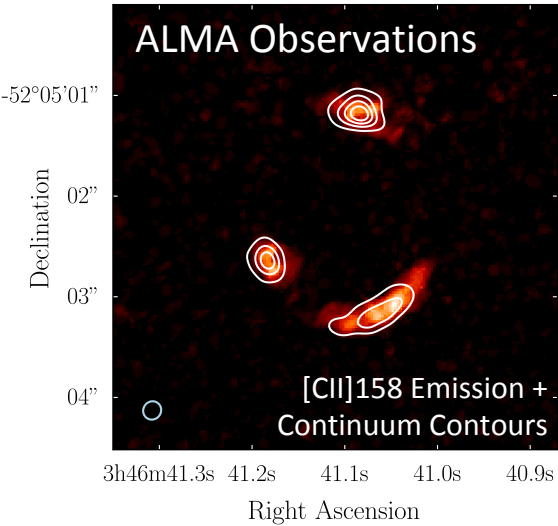


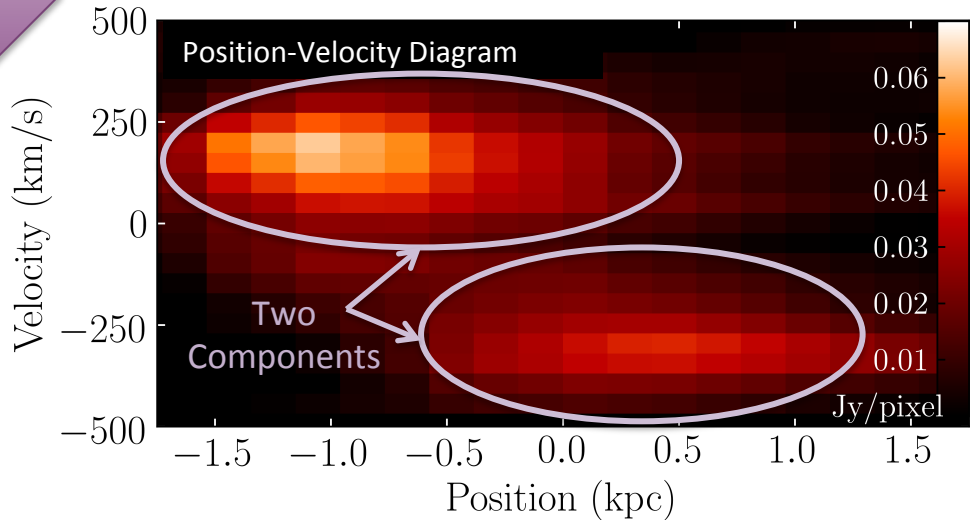
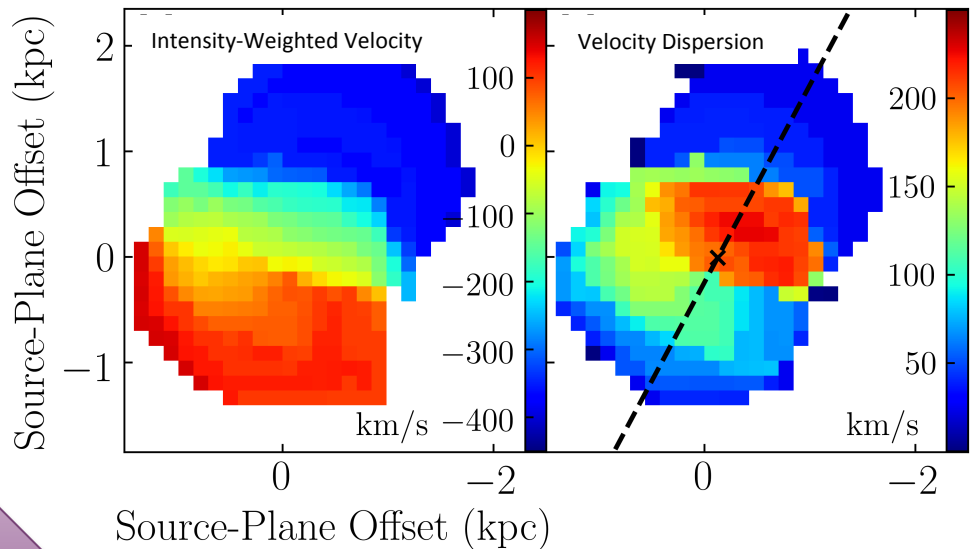
# SPT0346-52: a z=5.7 Hyper-Starburst Galaxy Merger

Katrina Litke, University of Arizona

- $L_{\text{FIR}} \sim 2 \times 10^{13} L_{\odot}$  (intrinsic)
- $\Sigma_{\text{SFR}} \sim 4200 M_{\odot}/\text{yr}/\text{kpc}^2$
- No AGN
- Merger-driven star formation



“De-lensed” [CII]158 emission



Next Steps:  
[NII]205, [NII]122,  
[OI]145, [OI]63