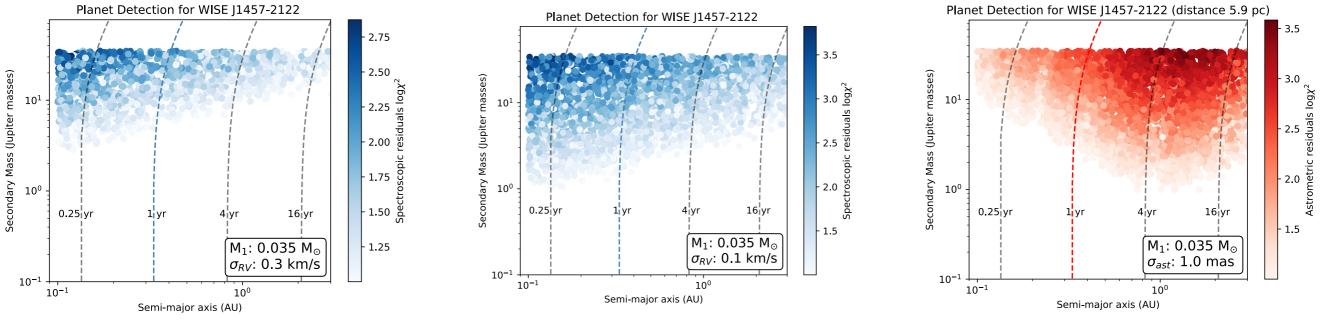
## Precise Radial Velocities to Detect Exoplanets around Ultracool Dwarfs Using the NIRSPEC High-Resolution Spectrograph Dino Hsu (UC San Diego)

- Compiled 300+ late M to late T dwarfs from the Keck Observatory Archive
- Currently developing a forward modeling pipeline to extract RVs and vsini s
- Simulations to examine the RV planet detectability around these samples



RV DETECTABILITY BY THE CURRENT NIRSPEC

POSSIBLE RV DETECTABILITY FOR THE UPGRADED NIRSPEC

ASTROMETRIC DETECTABILITY