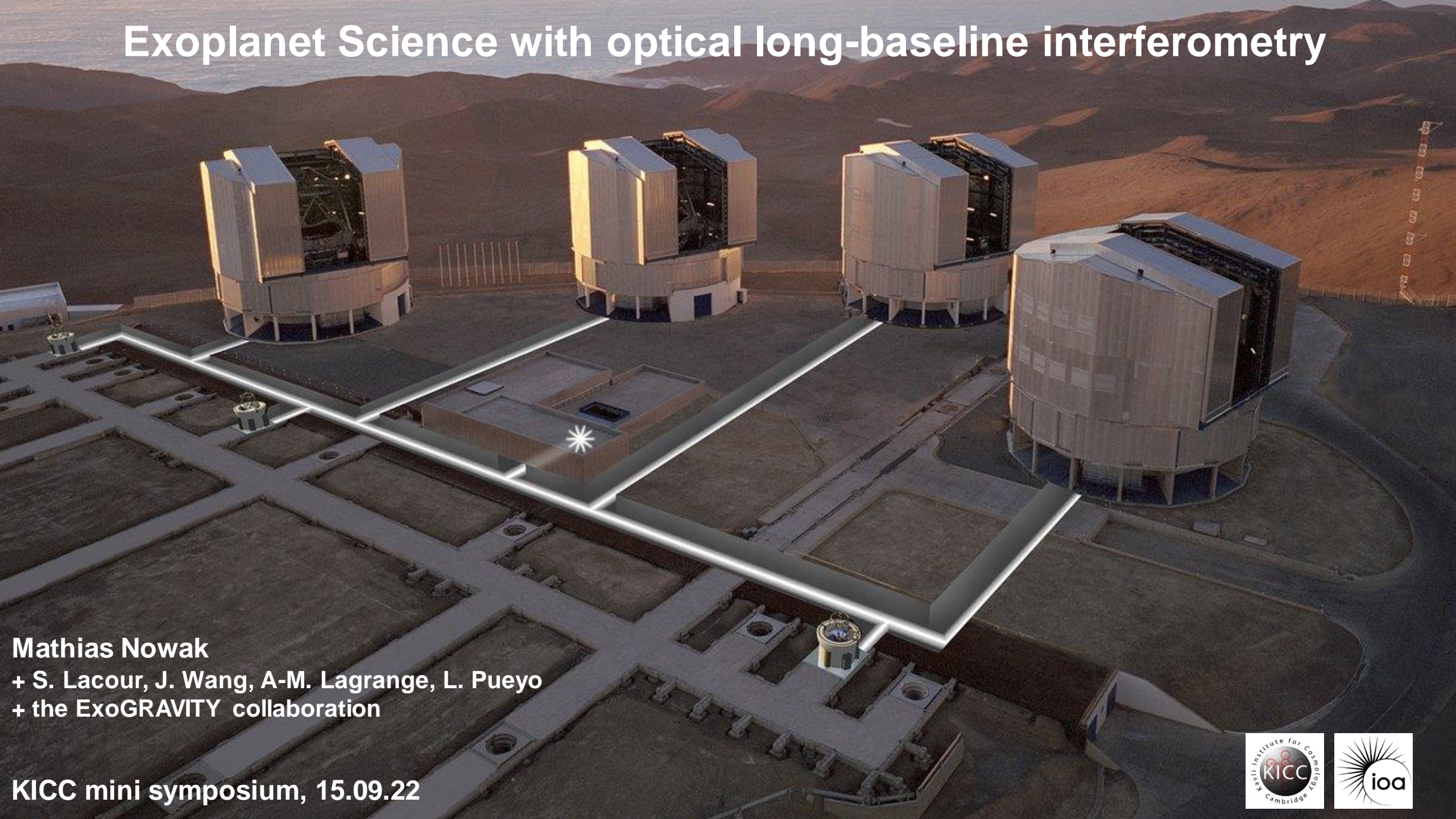


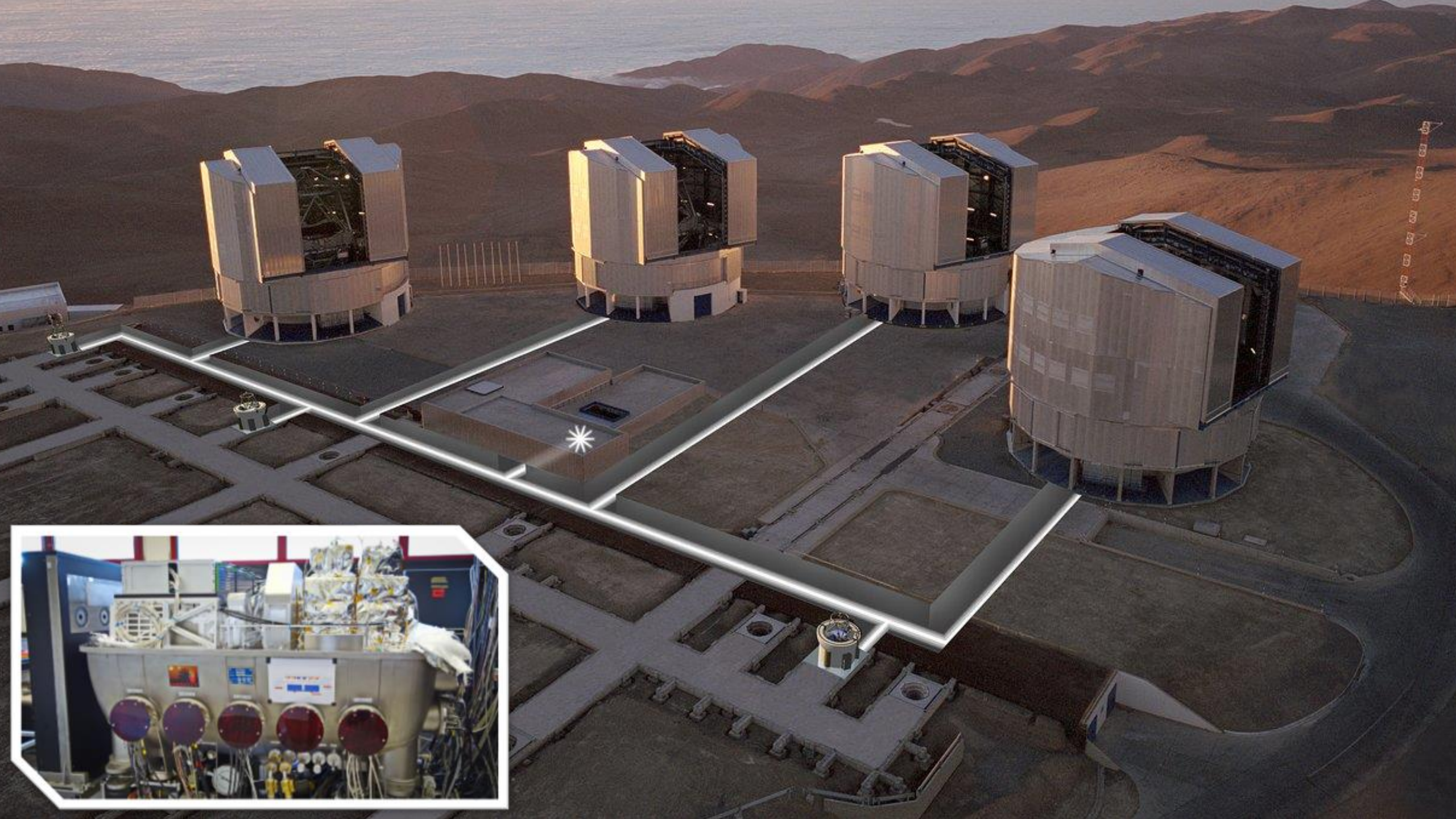
Exoplanet Science with optical long-baseline interferometry



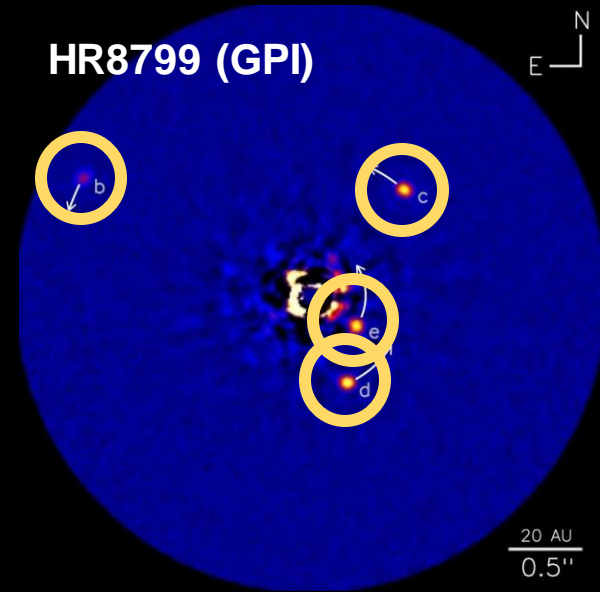
Mathias Nowak
+ S. Lacour, J. Wang, A-M. Lagrange, L. Pueyo
+ the ExoGRAVITY collaboration

KICC mini symposium, 15.09.22

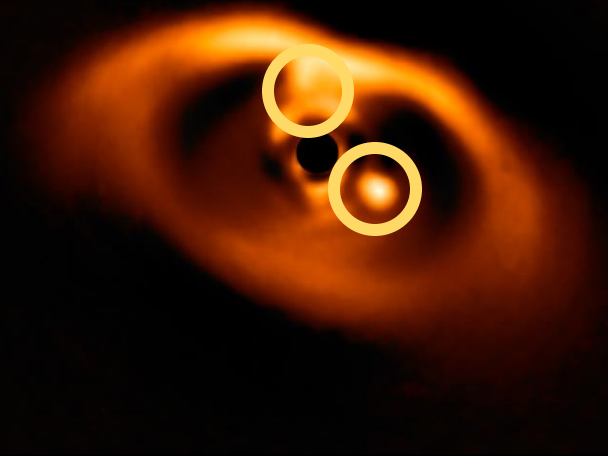




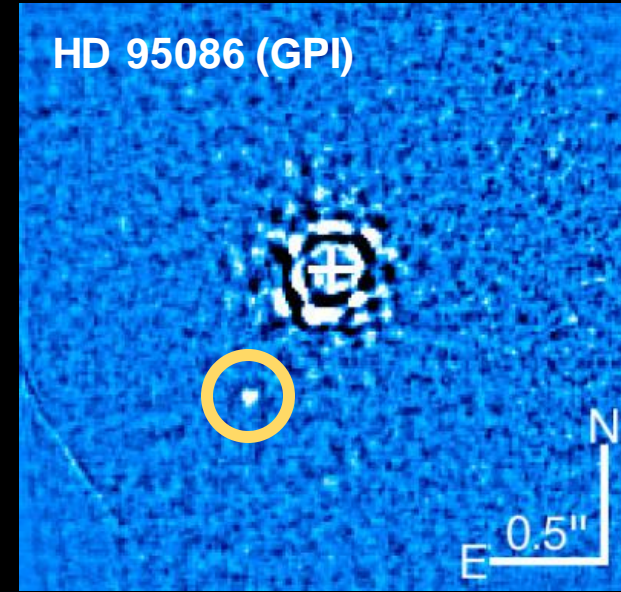
The ExoGRAVITY Large Program: follow-up observations of previous detections



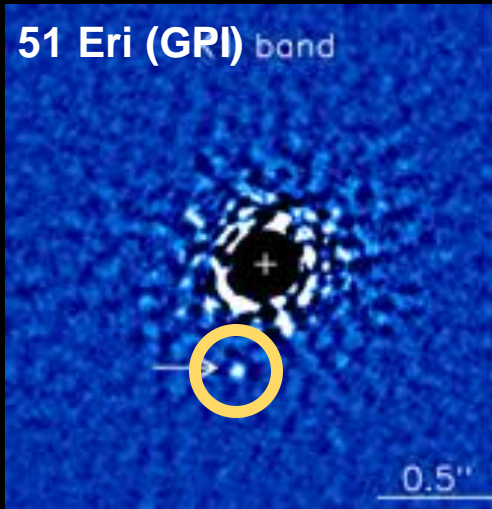
PDS 70 (SPHERE)



HD 95086 (GPI)



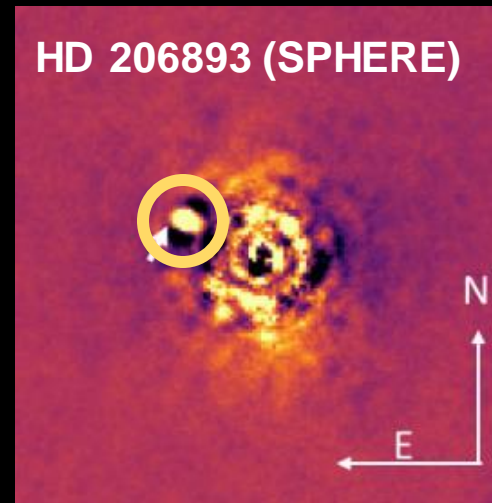
51 Eri (GPI) band



beta Pic (SPHERE)

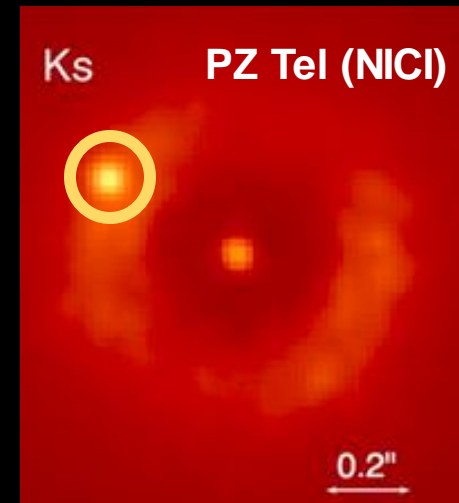


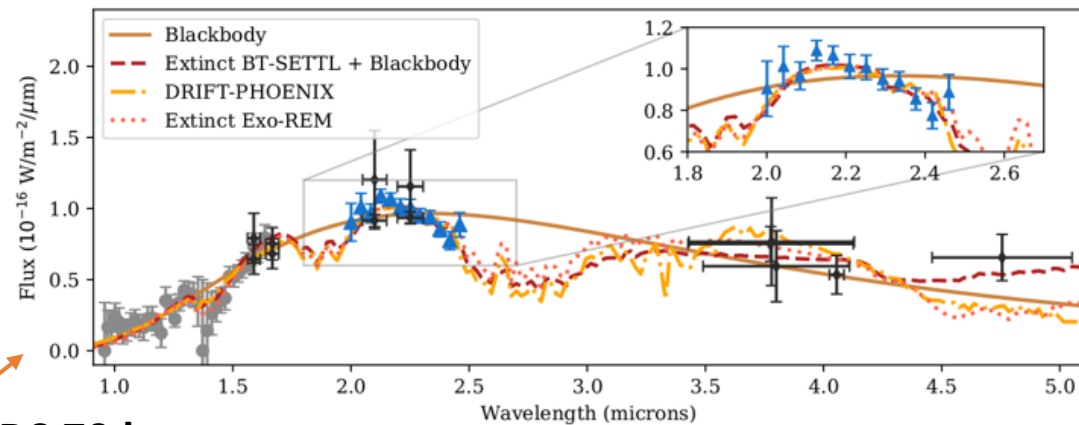
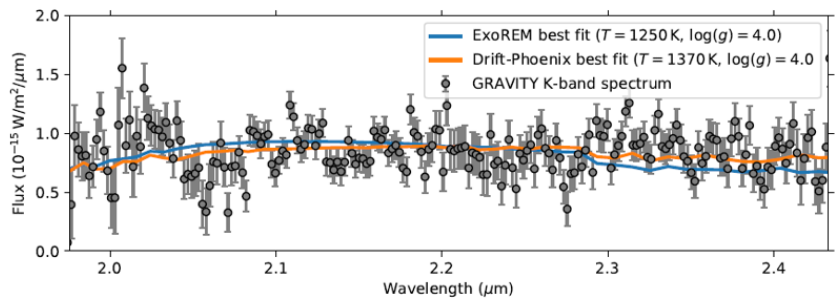
HD 206893 (SPHERE)



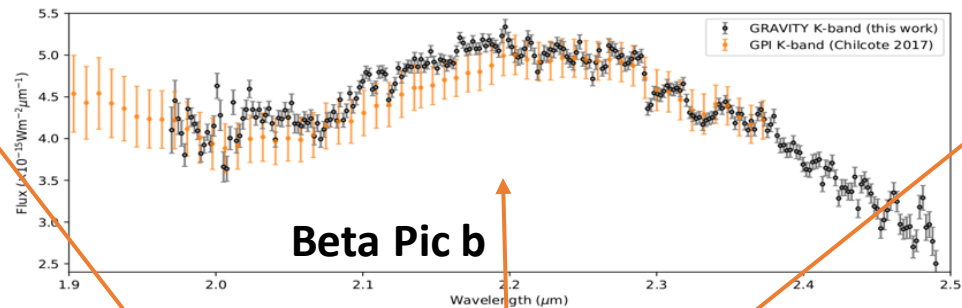
Ks

PZ Tel (NICI)

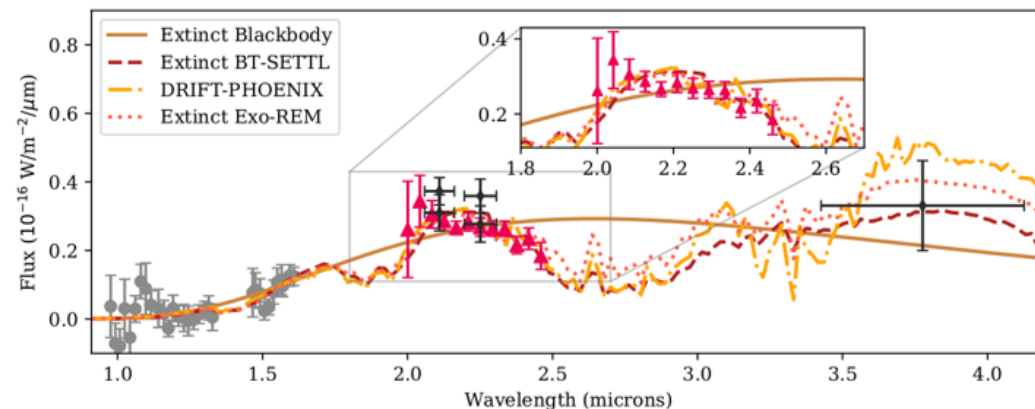




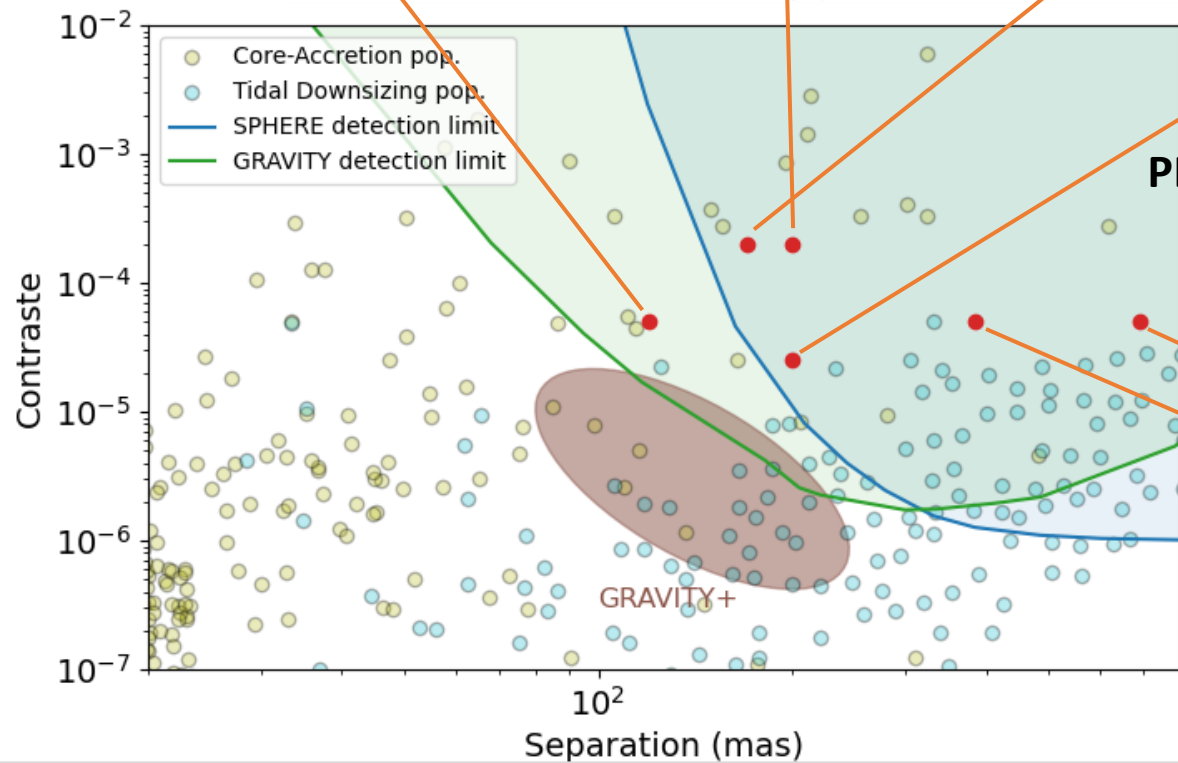
PDS 70 b



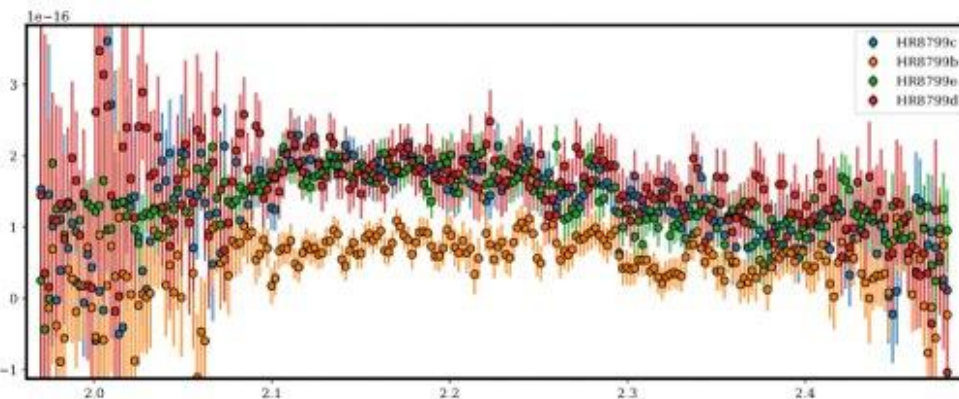
Beta Pic b

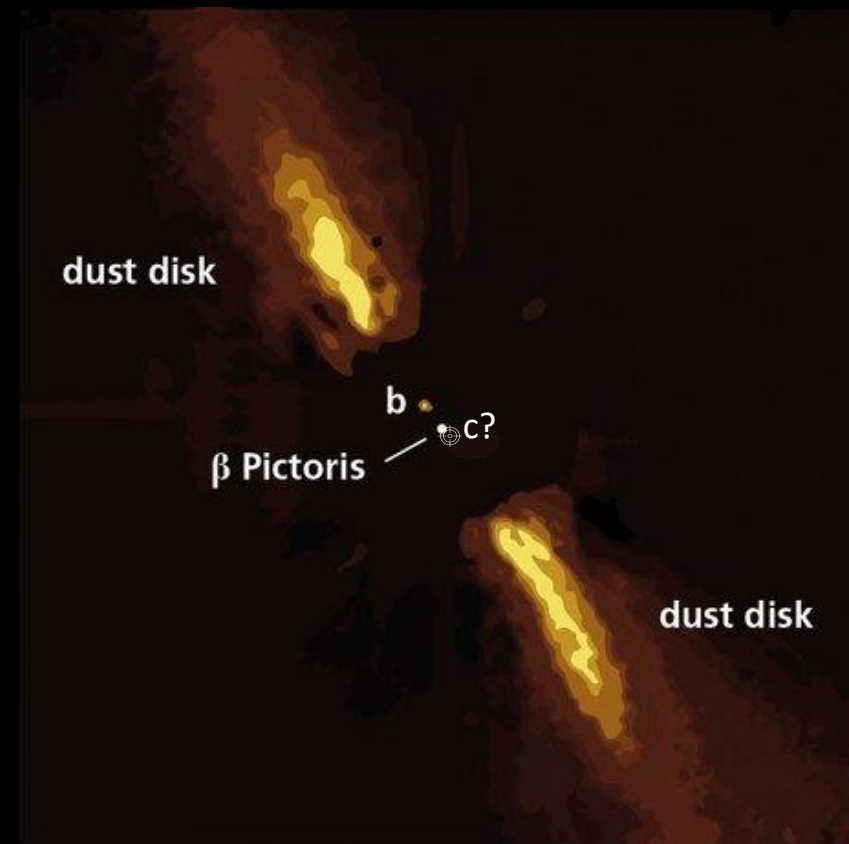
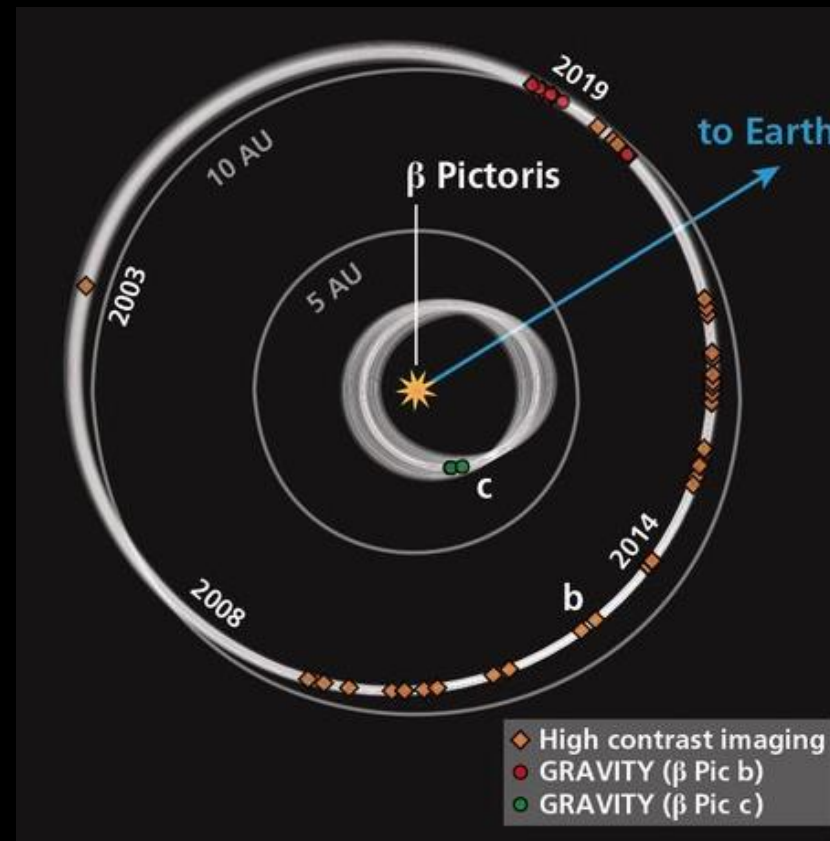
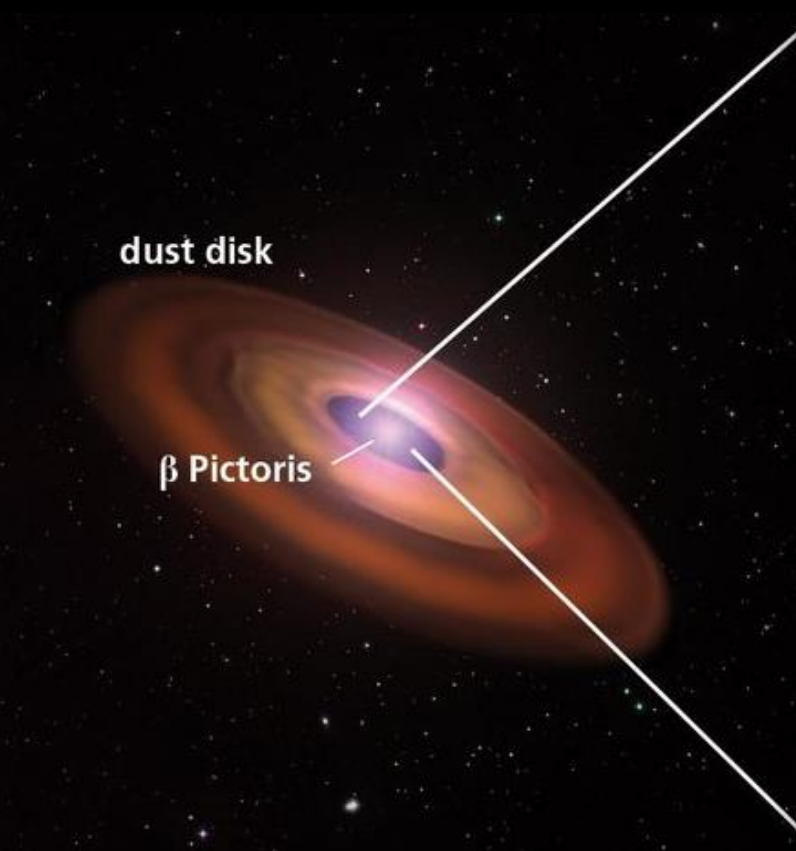


PDS 70 c

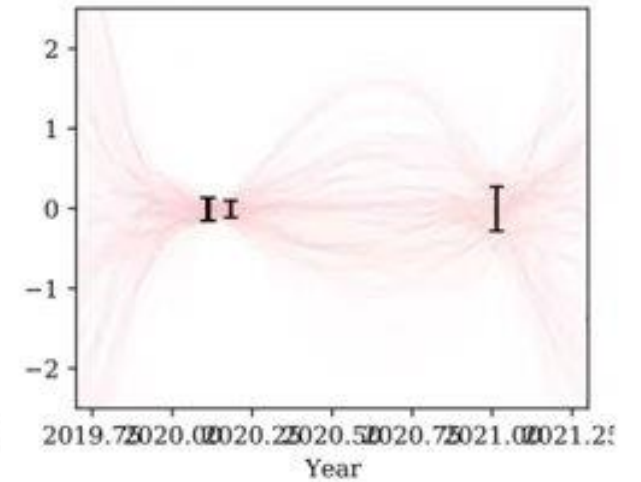
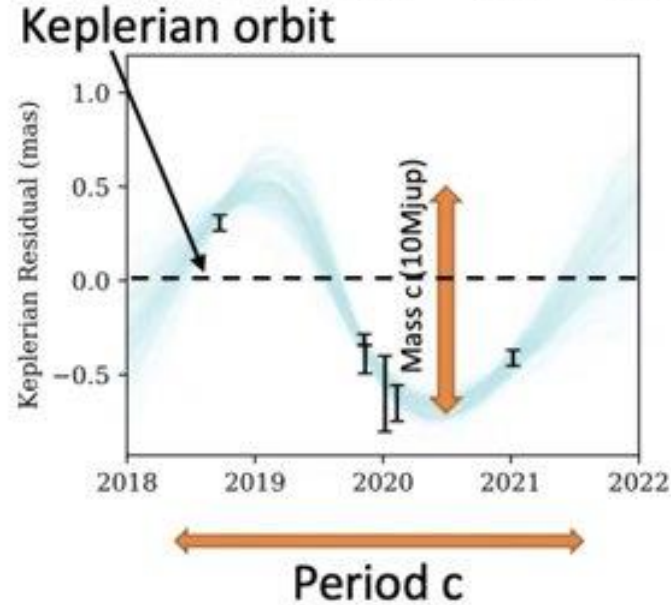
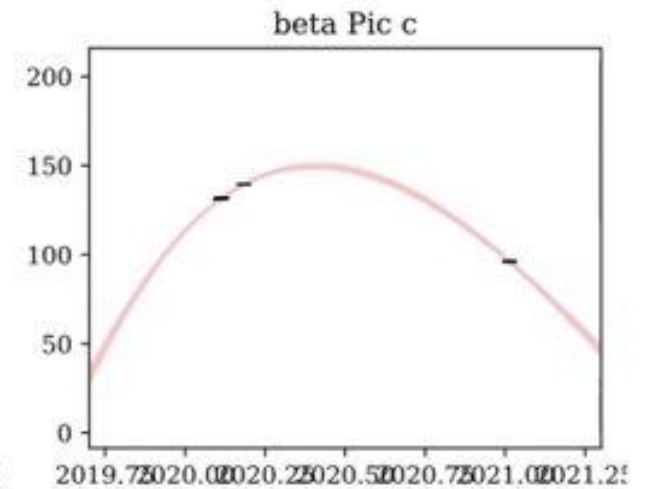
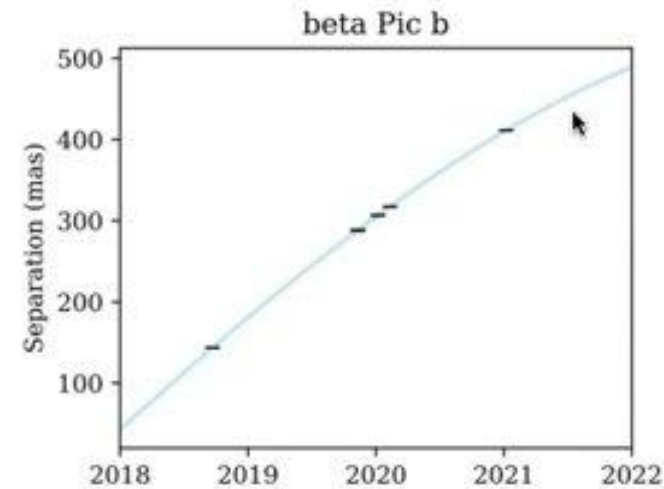
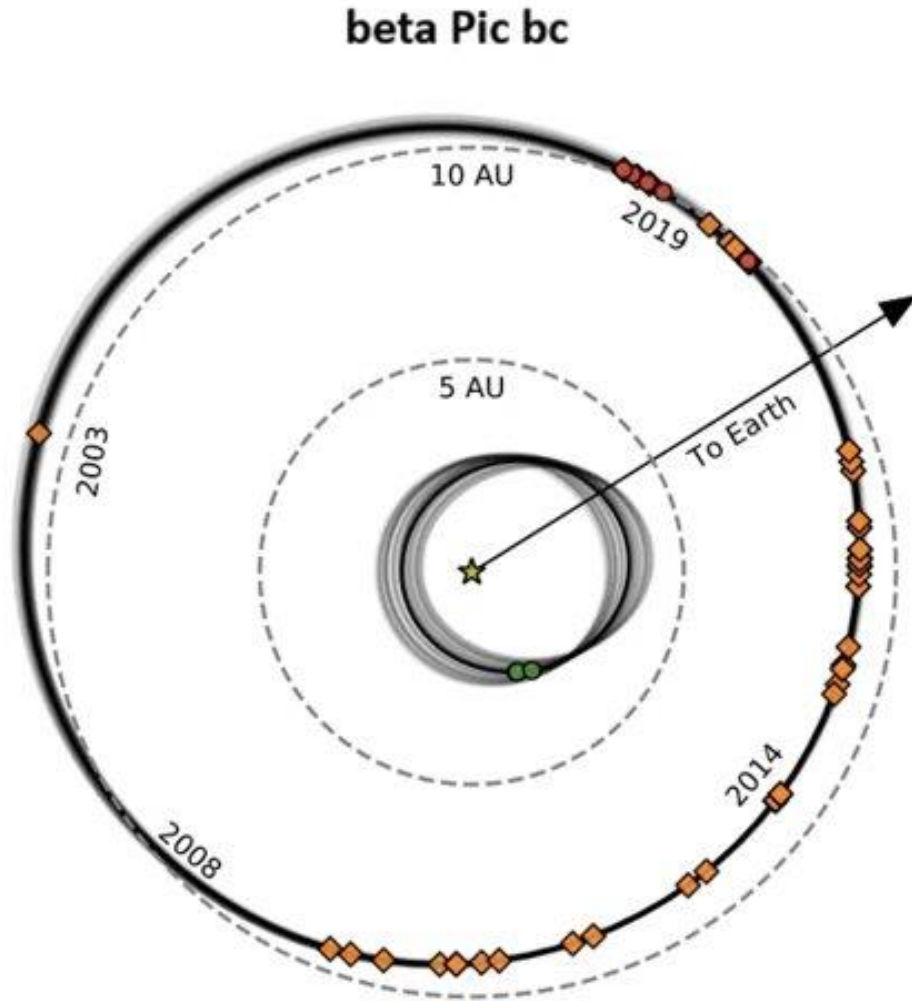


HR 8799



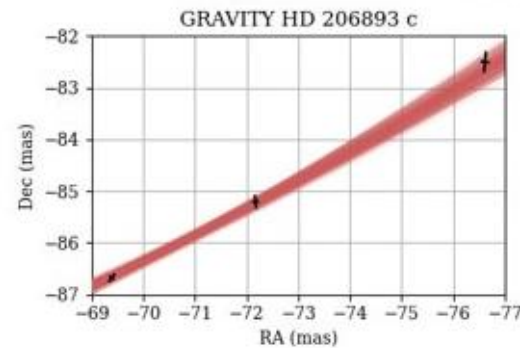
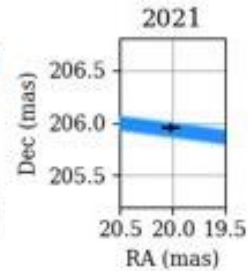
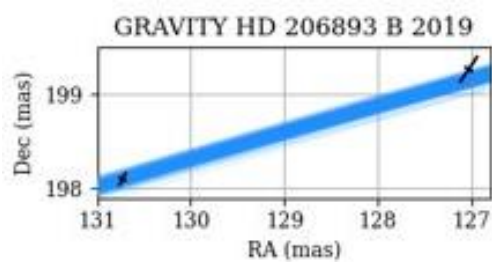
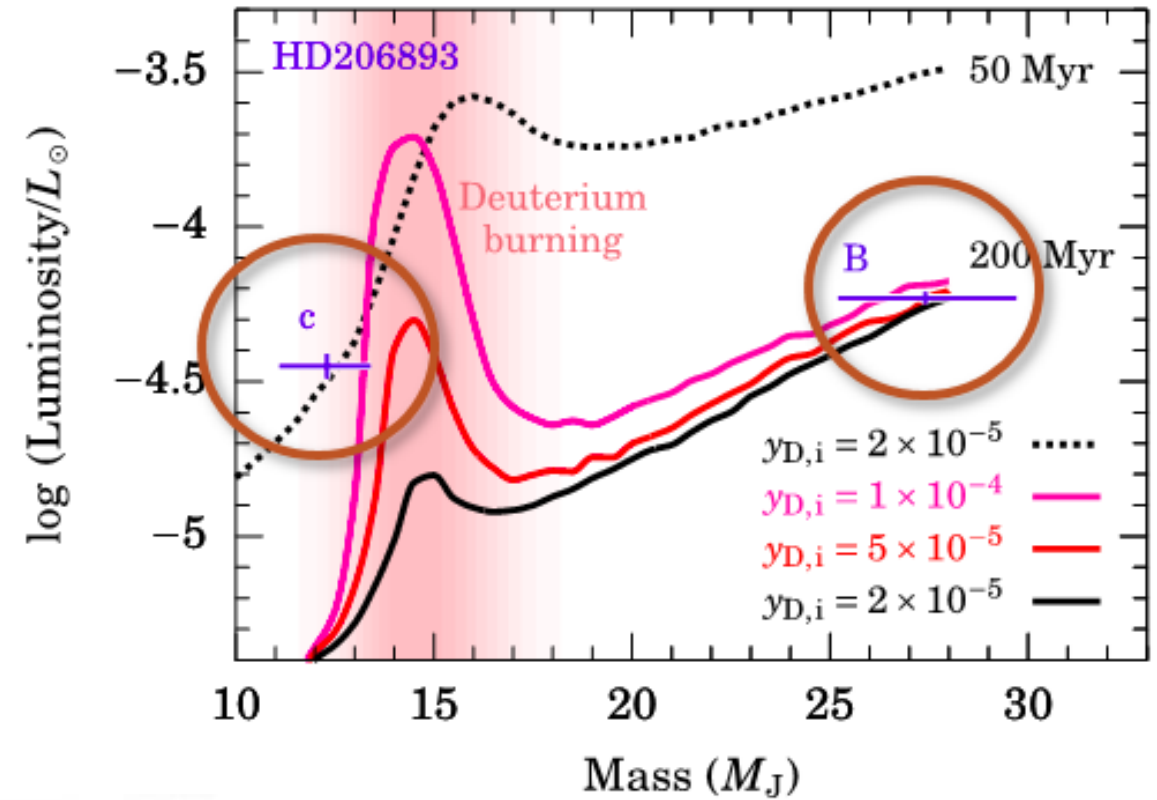
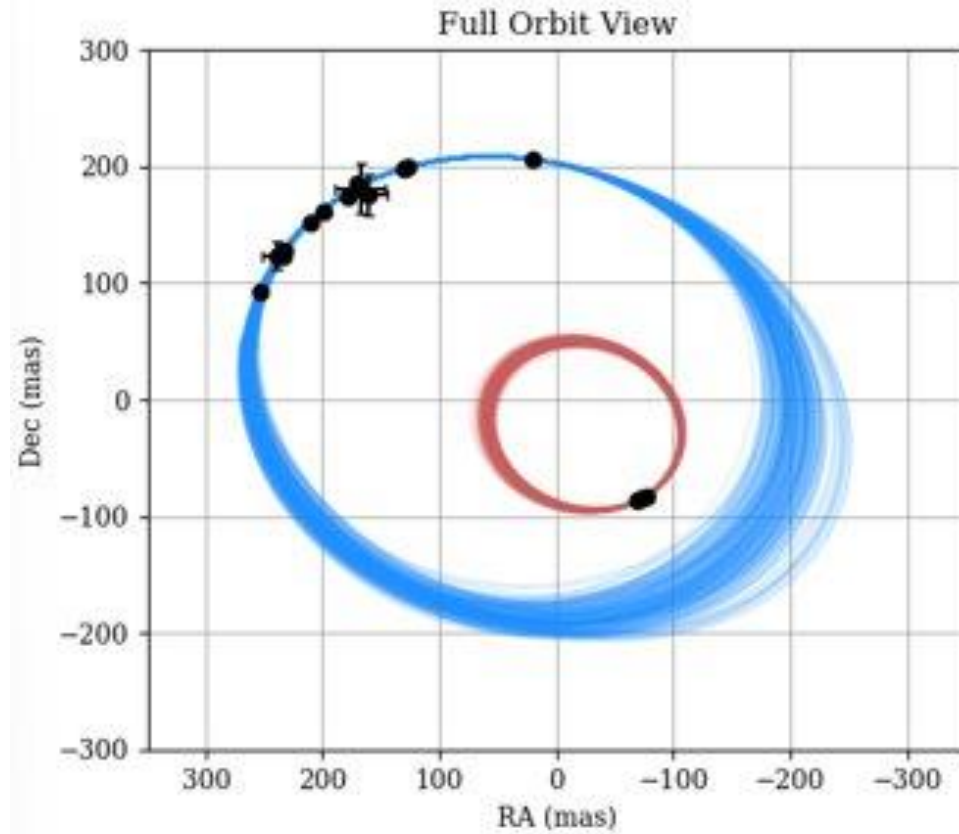


Dynamical mass measurement in the beta Pic system



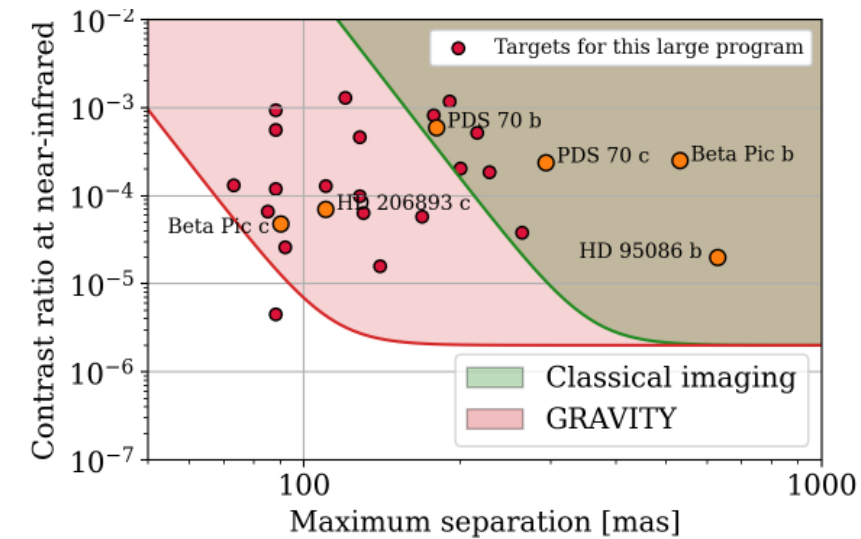
Lacour+ 2021

Deuterium burning in HD 206893 c

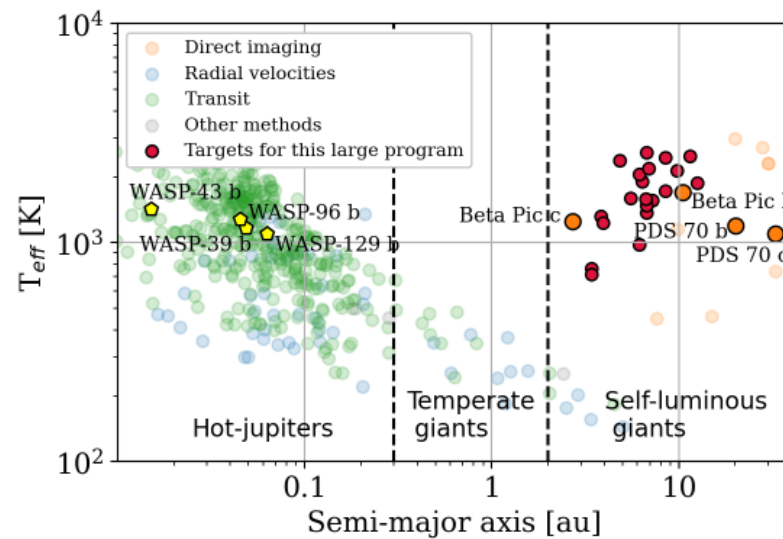


Looking for Gaia planets with optical interferometry?

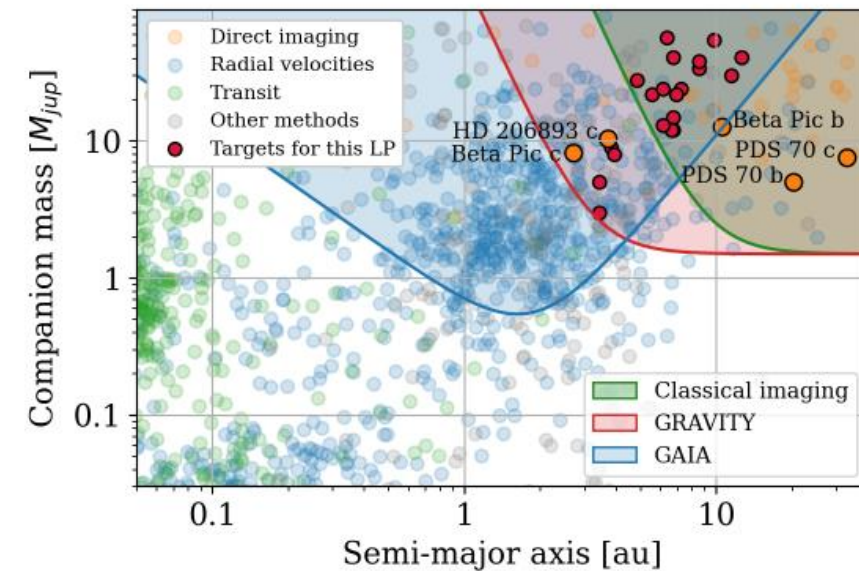
A new observational domain



Rare new objects



Using educated guess from Gaia



GAIA + GRAVITY offers new opportunities for planet detection