

## **The Extreme Stellar Signals Project**

Lily Zhao

Flatiron Institute

The Extreme Stellar Signals Project (ESSP) is an international research network of scientists developing methods for mitigating stellar signals. With our first round of work, we established the current state of the field through a self-consistent comparison of 21 different methods implemented on the same extreme-precision spectroscopic data from the EXPRES instrument. We are now starting the second round of comparisons, which will incorporate Sun-as-a-star observations taken by HARPS, HARPS-N, EXPRES, and NEID. I will share lessons learned from comparing contemporaneous data across instruments. I will conclude with the capabilities and limitations of this combined data set for testing mitigation methods.