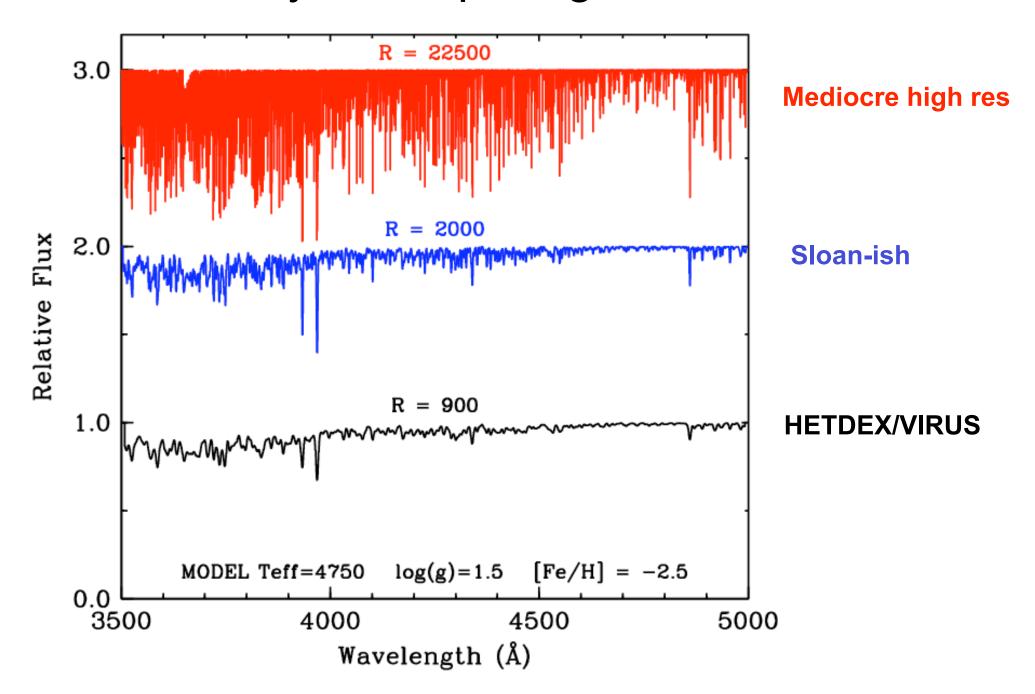
HETDEX and the lowest metallicity stars:

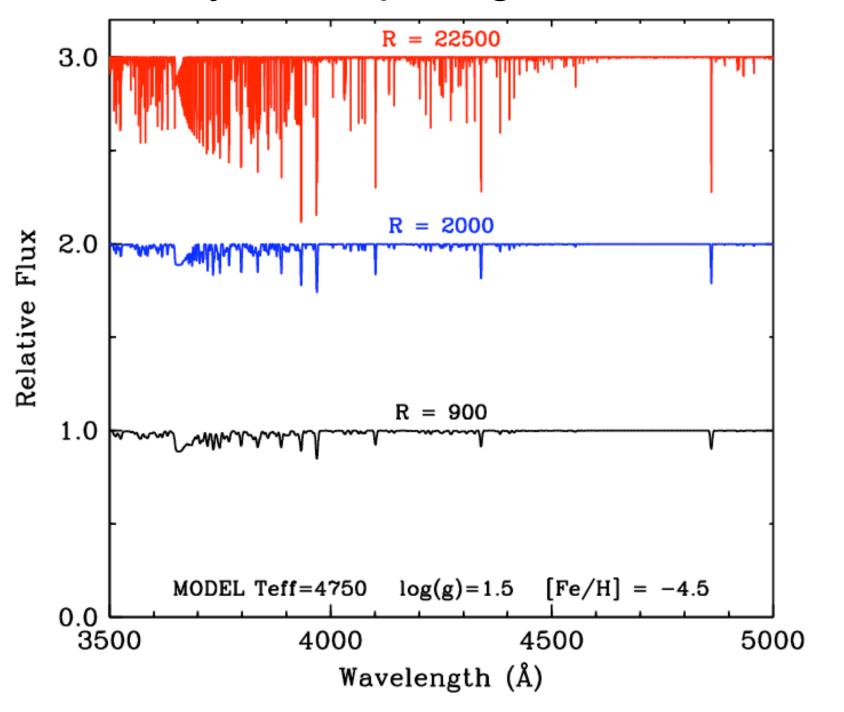
WHAT WILL YOU SEE?

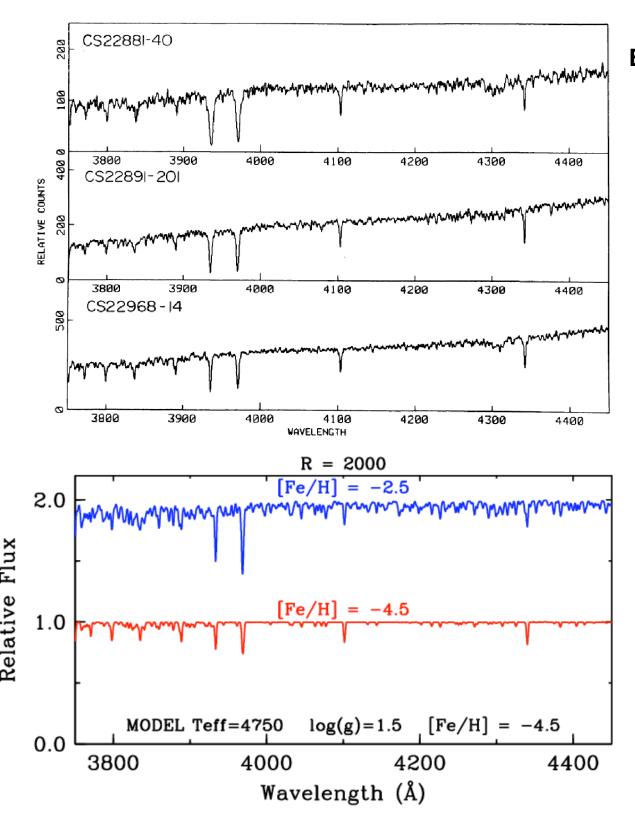
Chris Sneden, UT Austin

Ordinary metal-poor giant - simulation



Extremely metal-poor giant - simulation





Beers et al. 1985

R ~ 2000 observations and models

HK Survey discovery spectra

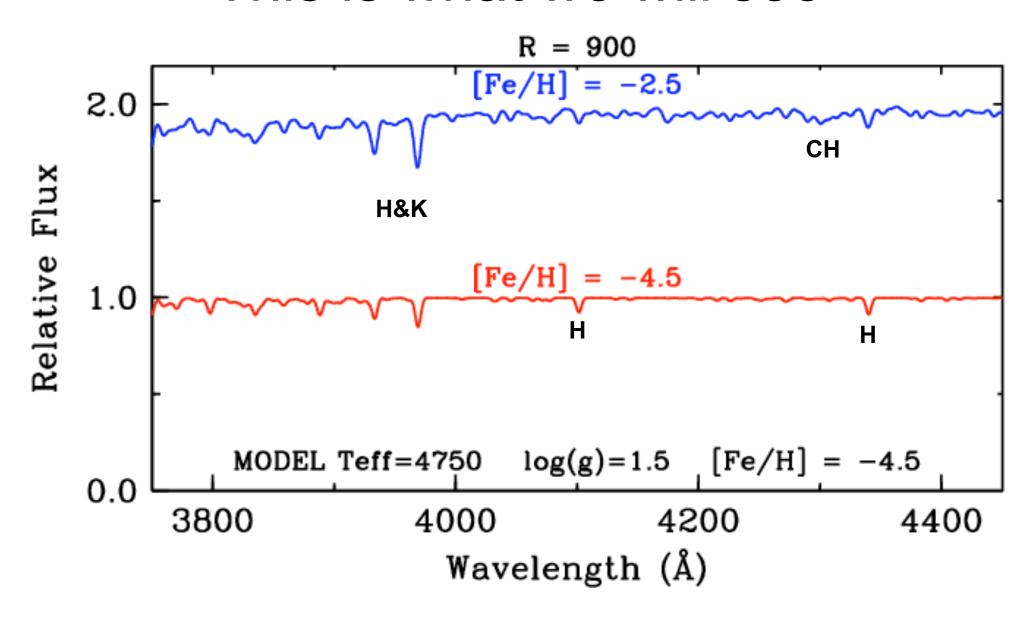
Beers, Preston, & Shectman 1985, AJ, 90, 2089

Bandpass: 3875-4025Å $R = \lambda/\Delta\lambda \sim 900$

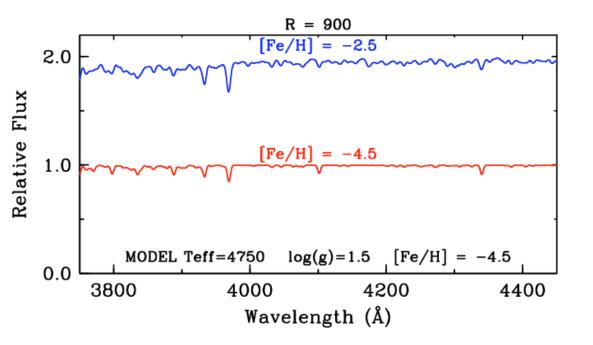
21

22

This is what we will see



Better than the original HK survey by far



- > Fainter by several mags
- Flux information
- Higher S/N
- Balmer line information
- C-rich low metallicity "easy" detection

Who needs Sloan?