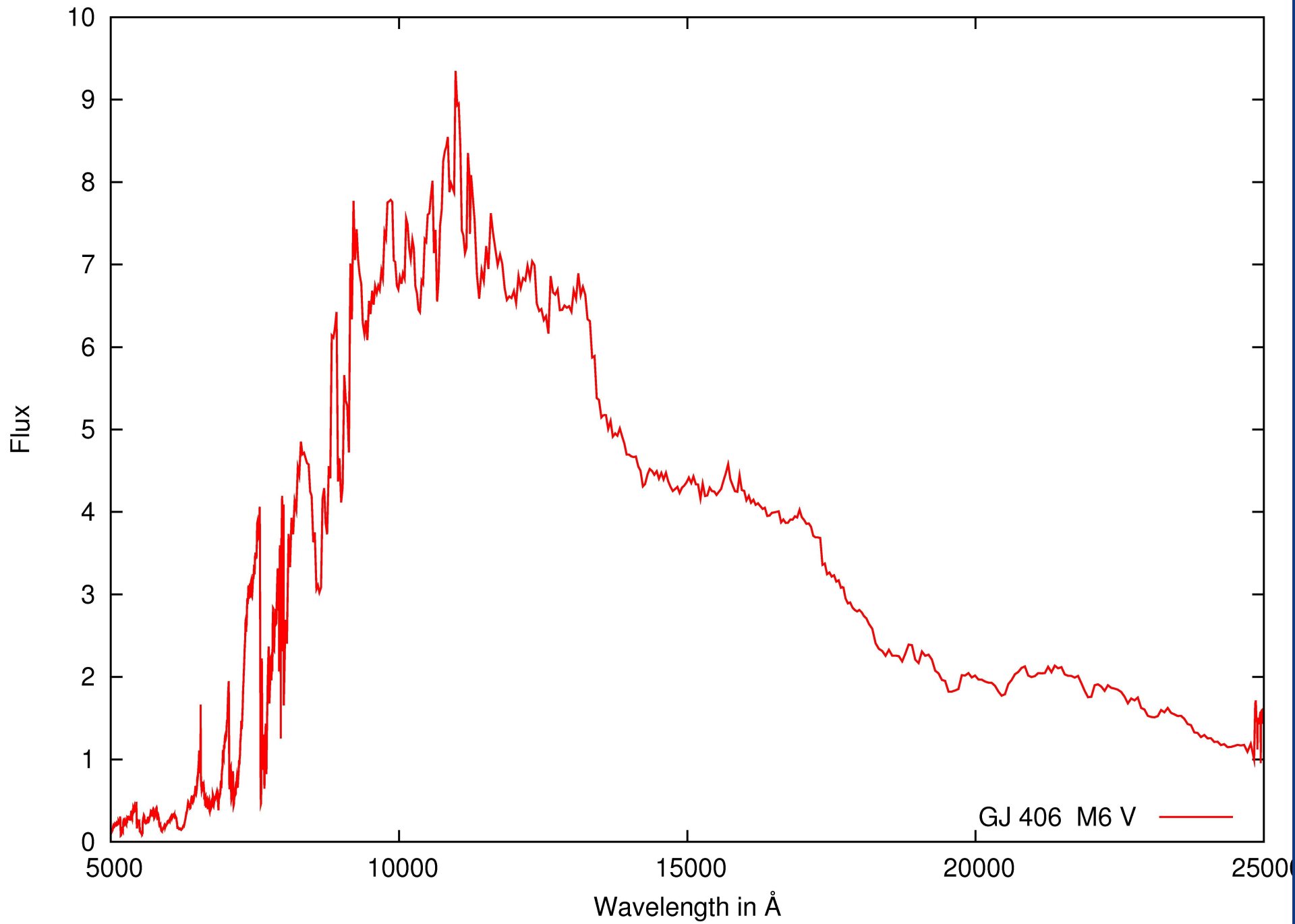


FeH in the J-band region

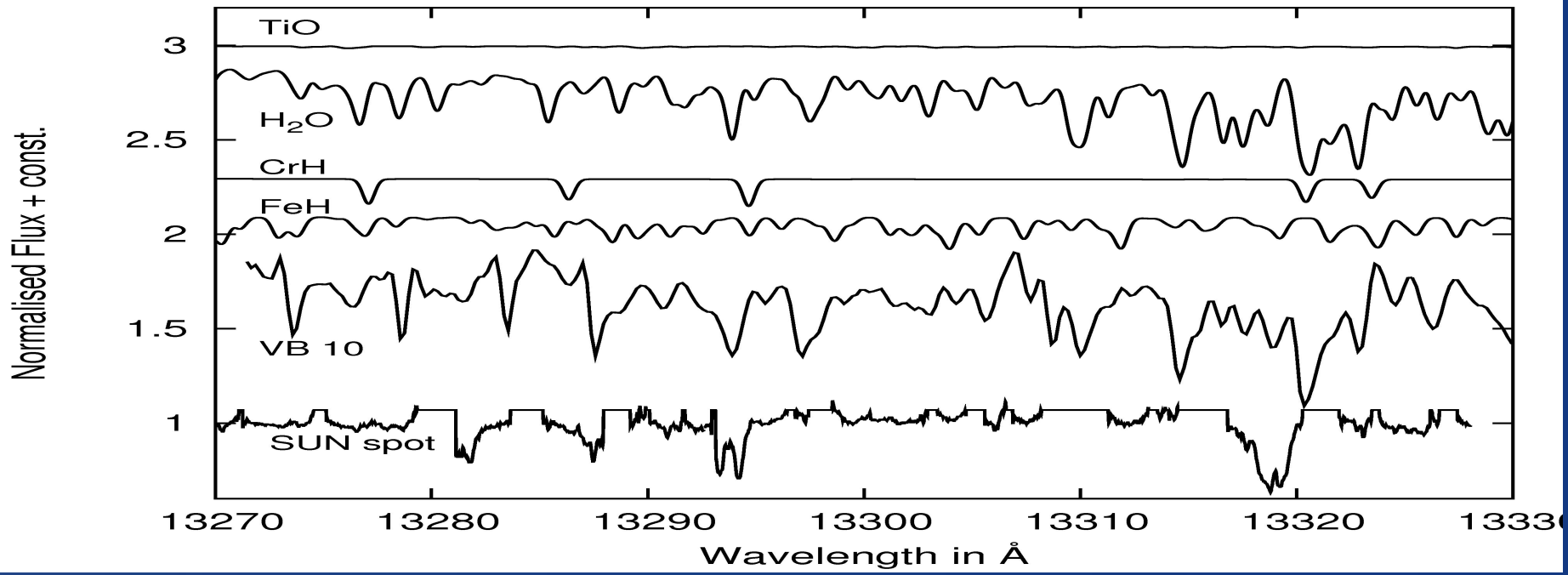
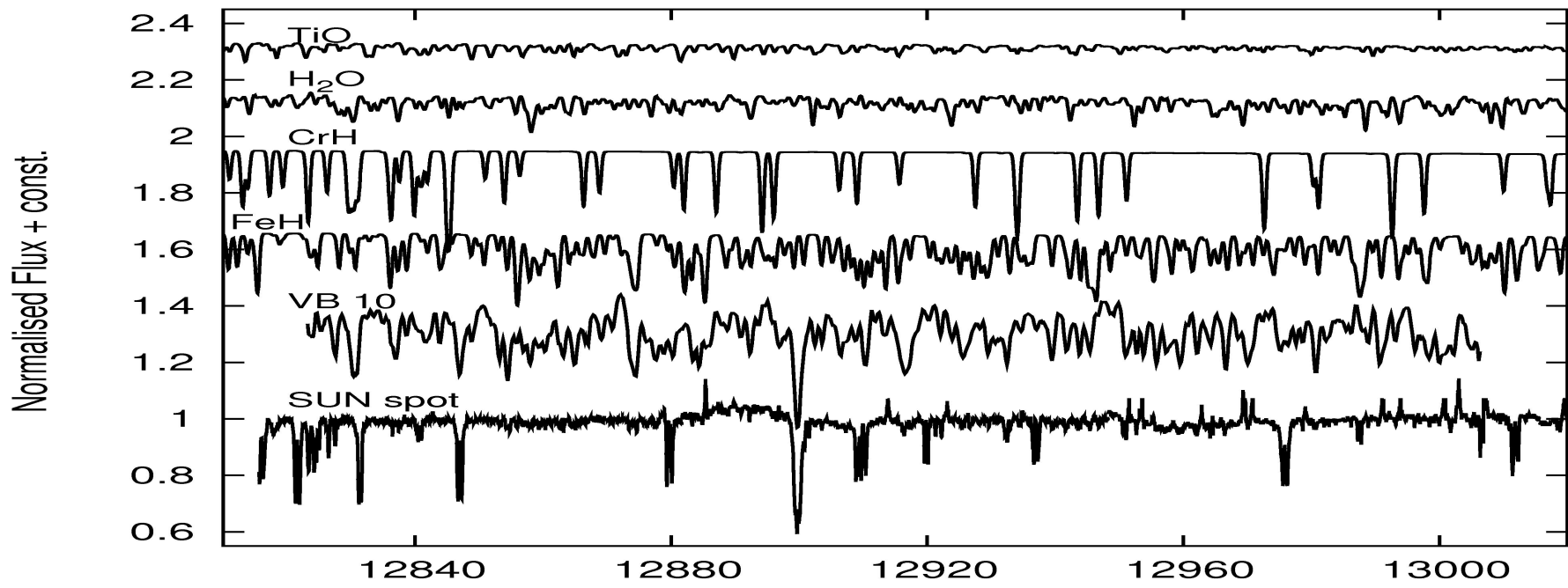
Yuri Lyubchik

Main Astronomical Observatory of NASU

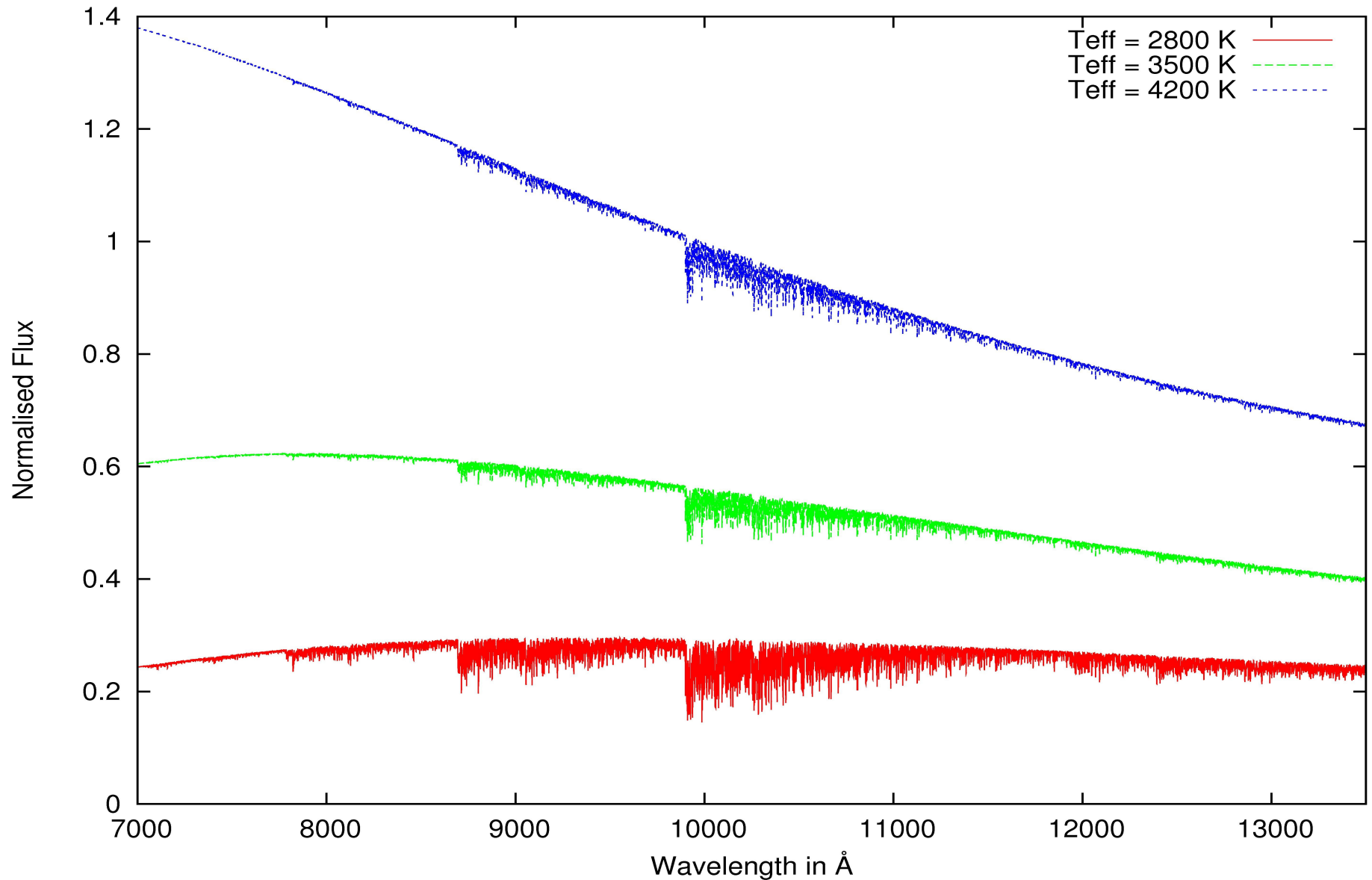


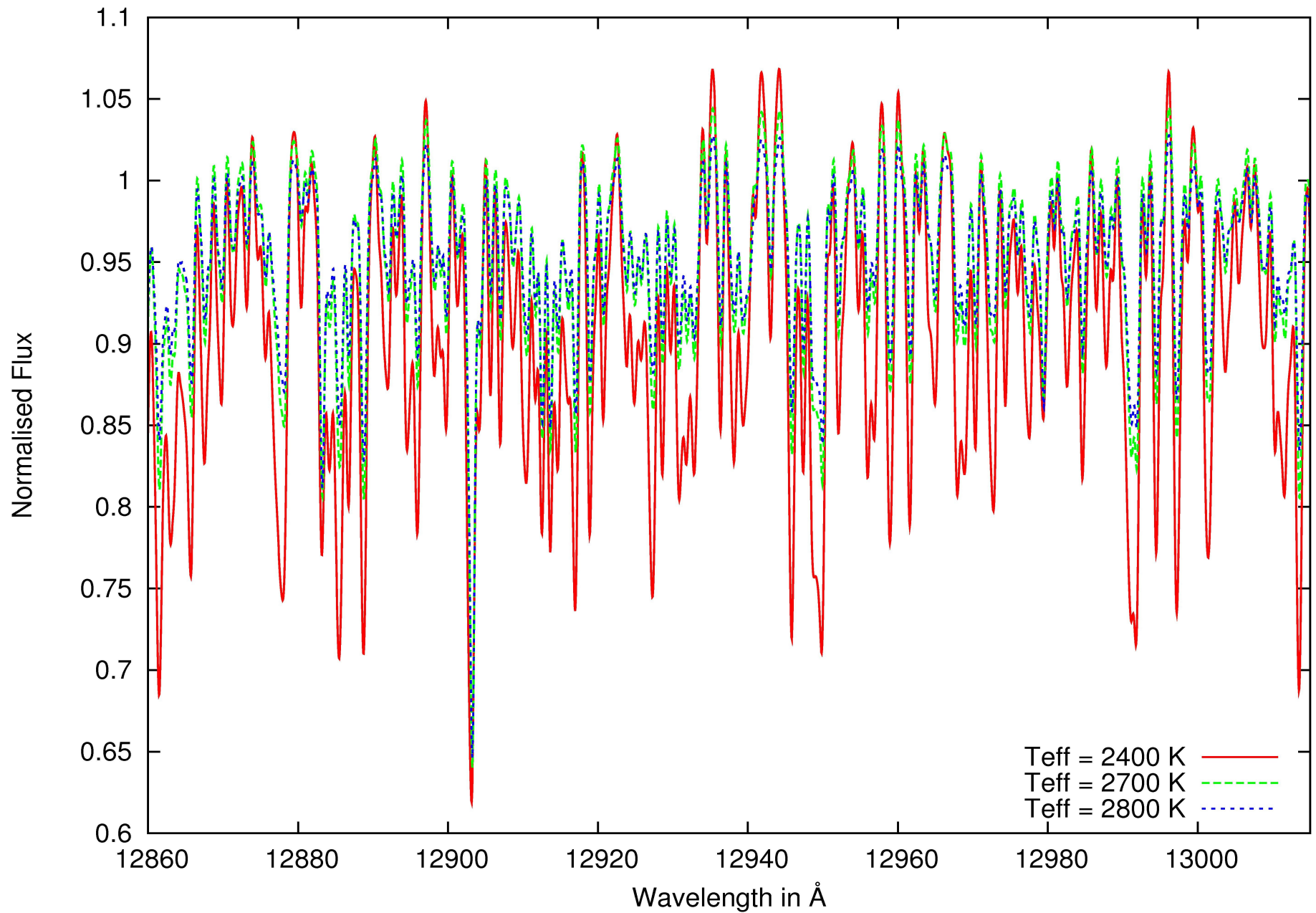
FeH, Dulick et al., 2003 ApJ, 594,
651.

- Pertains to the $F^4 \Delta_i$ -- $X^4 \Delta_i$ transitions
- Consist of experimental and extrapolated term values
- Isotopes of Fe 54, 57 and 58 along with the most abundant 56 are accounted

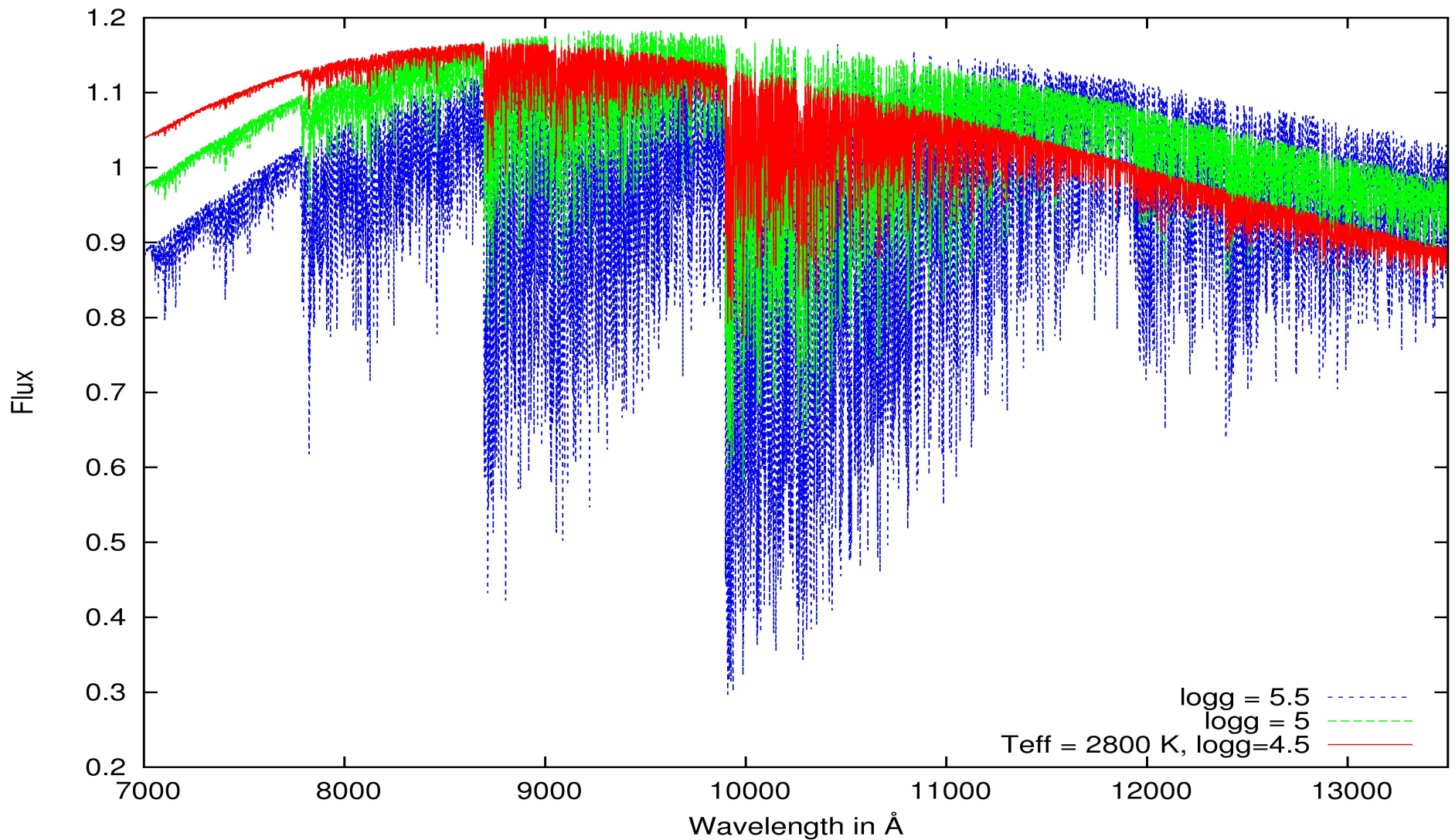


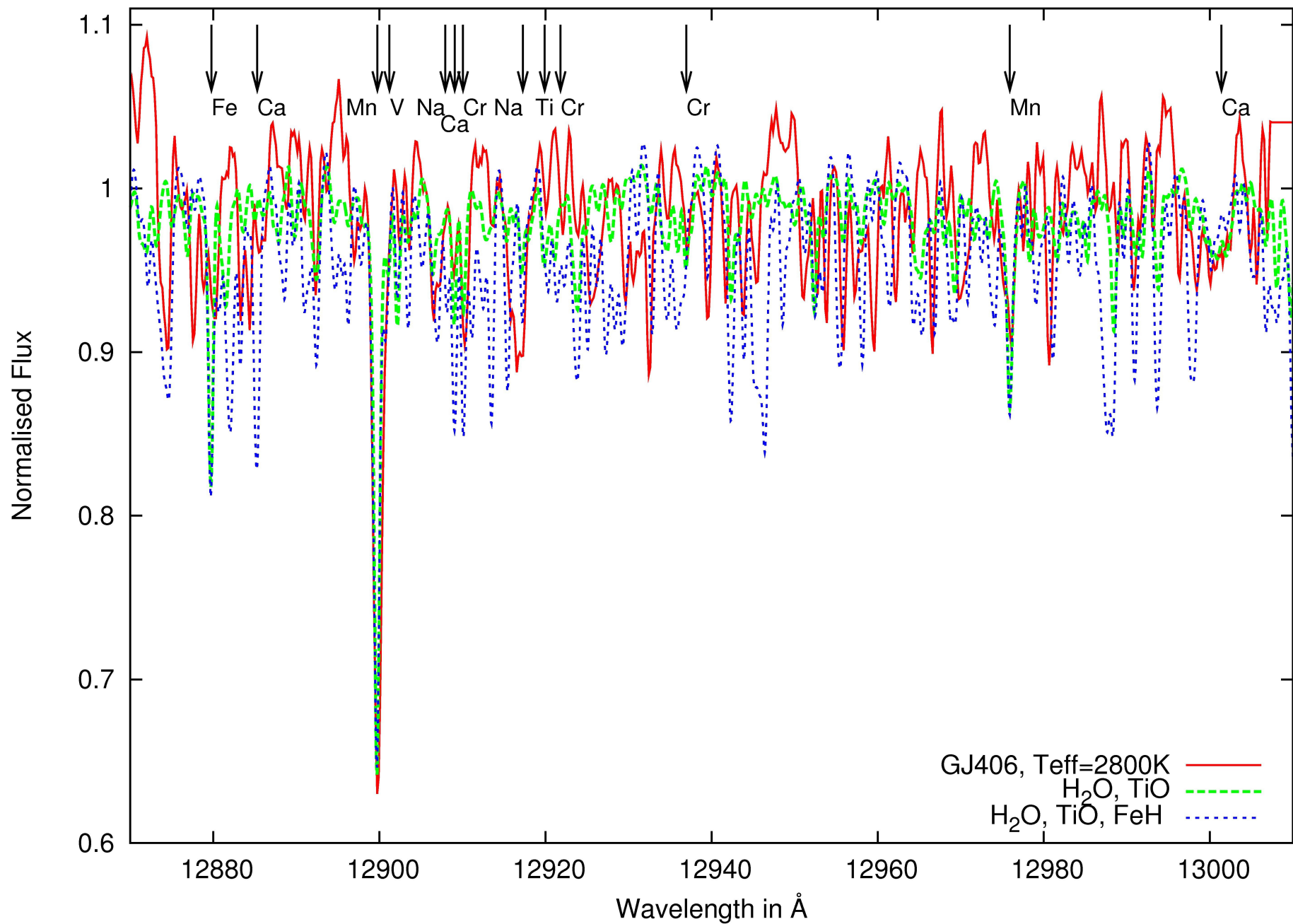
FeH dependance on Teff

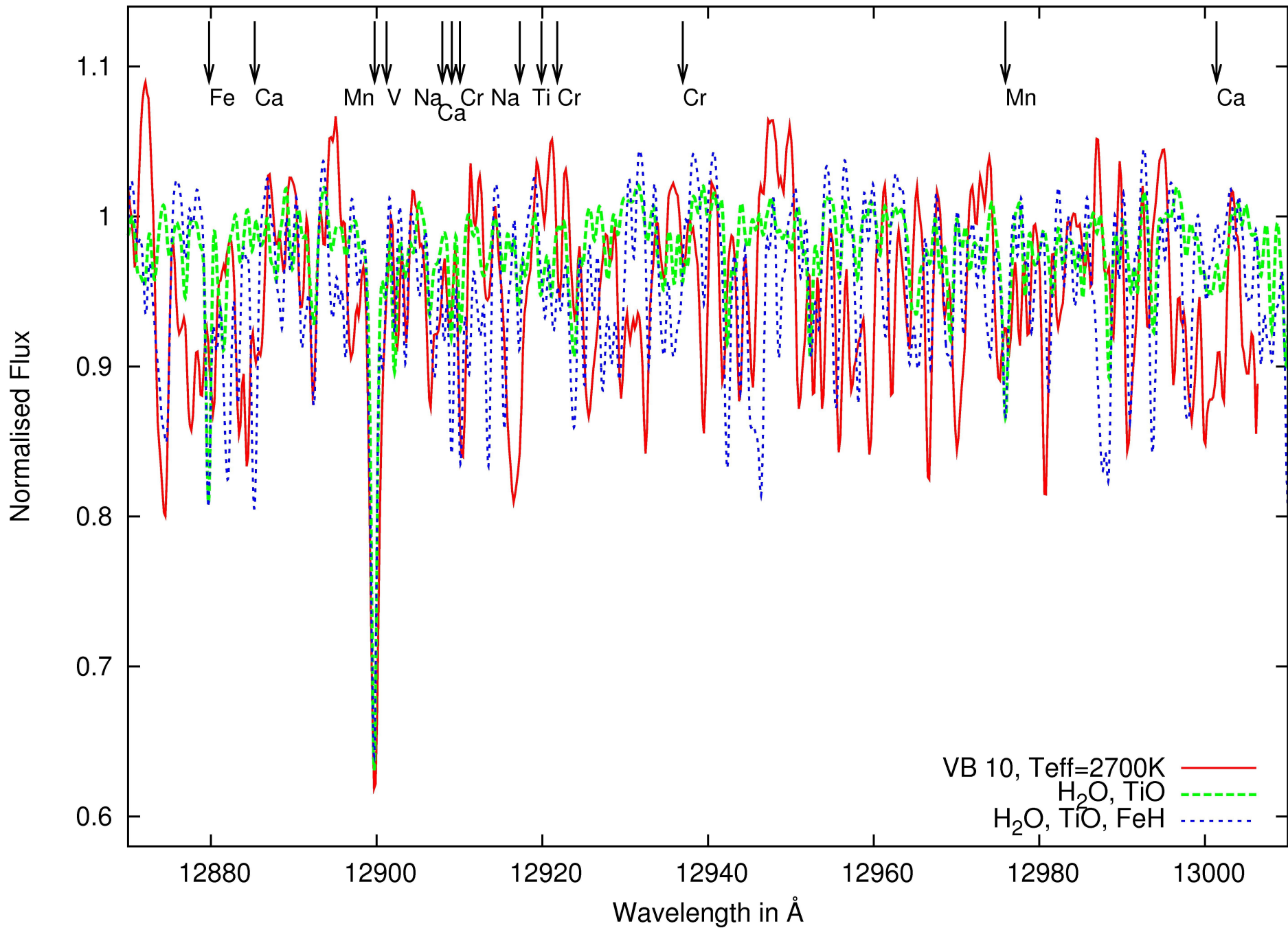


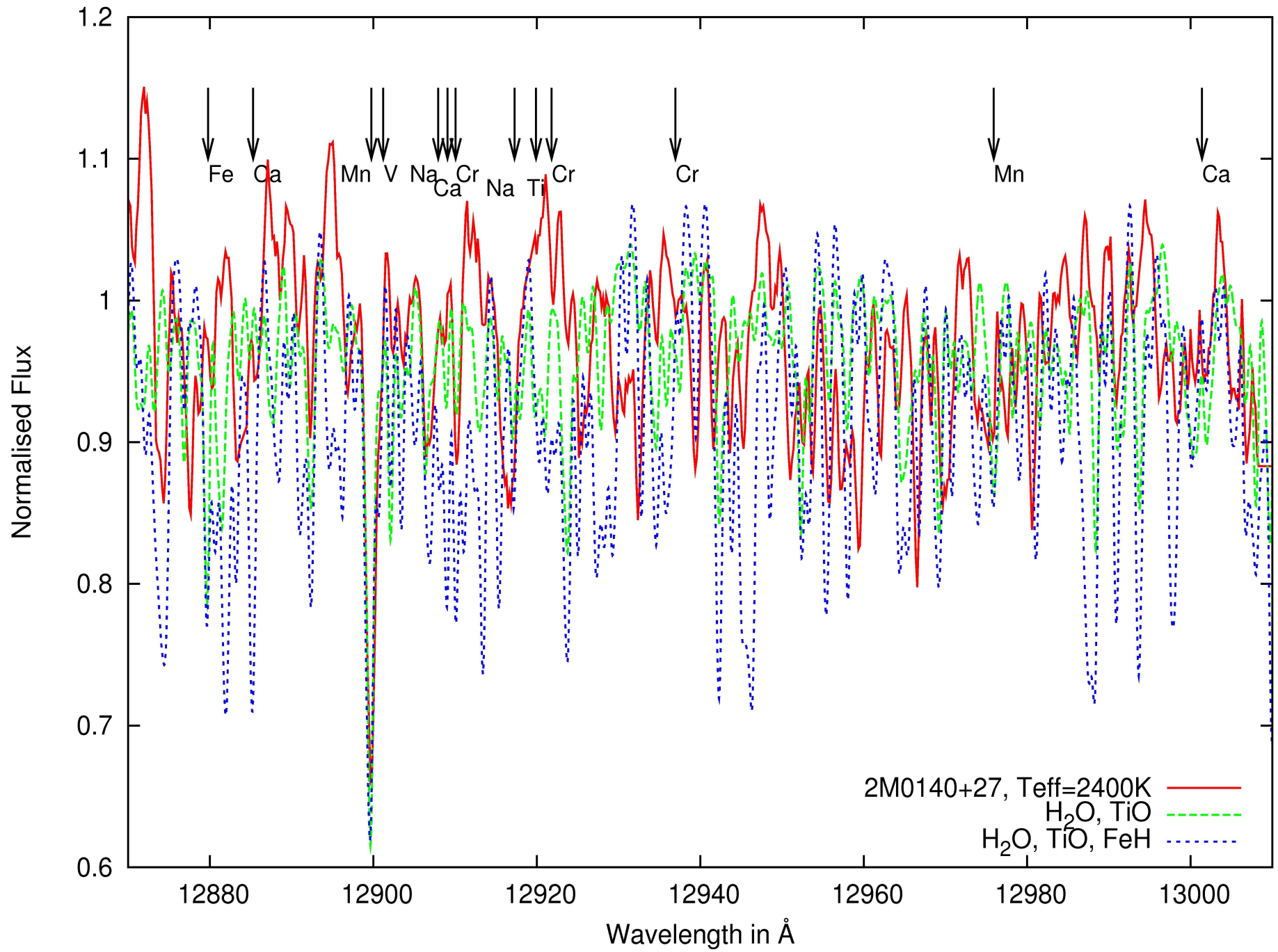


FeH dependance on gravity









What do we need?

To fit observations more accurate FeH line list

... FeH is not the one main opacity source
the in J-band. Then we meet CrH ...

Thank you for attention !