

Searching for Extremely Metal-poor star candidates from LAMOST and SDSS

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- **Context:**

EMP stars are important in the Milky Way, which record the heavy element abundances produced in the first generations of stars, thus can help us to understand the earliest nucleosynthesis events.

- **Aim:**

We search for candidates of EMP from both LAMOST and SDSS low resolution spectra.



- **Method:**

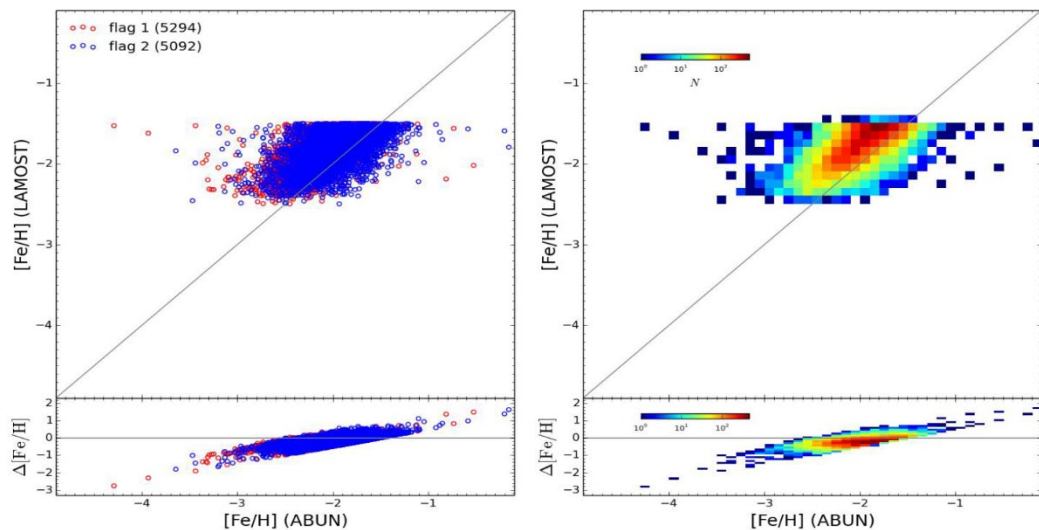
- EW ABUNTEST pipeline
- EW of Ca II K lines
- $T_{\text{eff}} \sim$ photometric color
- Surface gravity \sim isochrone fitting

- **Early results:**

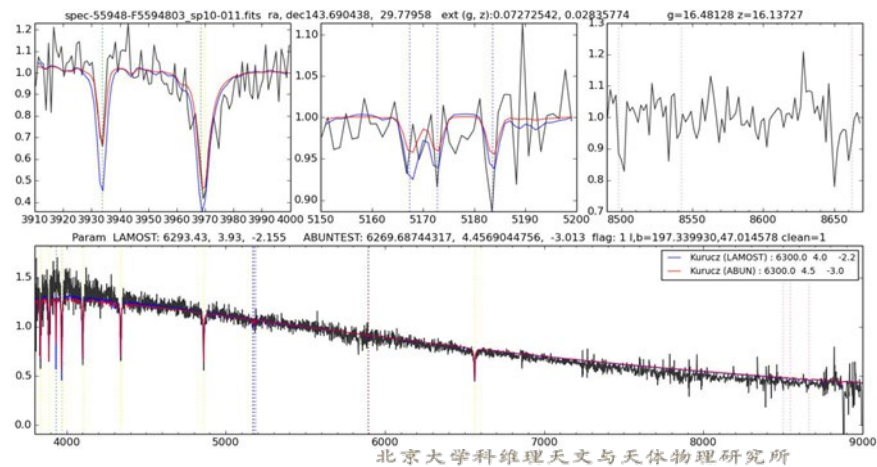
- found ~ 450 EMP candidates in LAMOST and SDSS survey
- 24 having $[\text{Fe}/\text{H}] < -3.5$.



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Thanks!



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