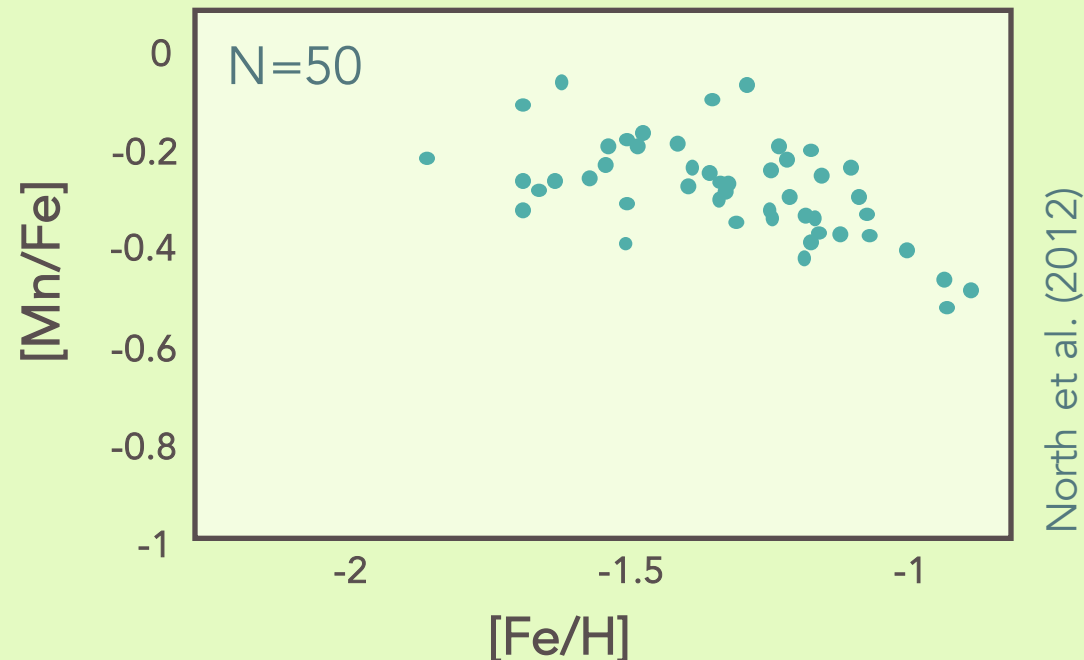


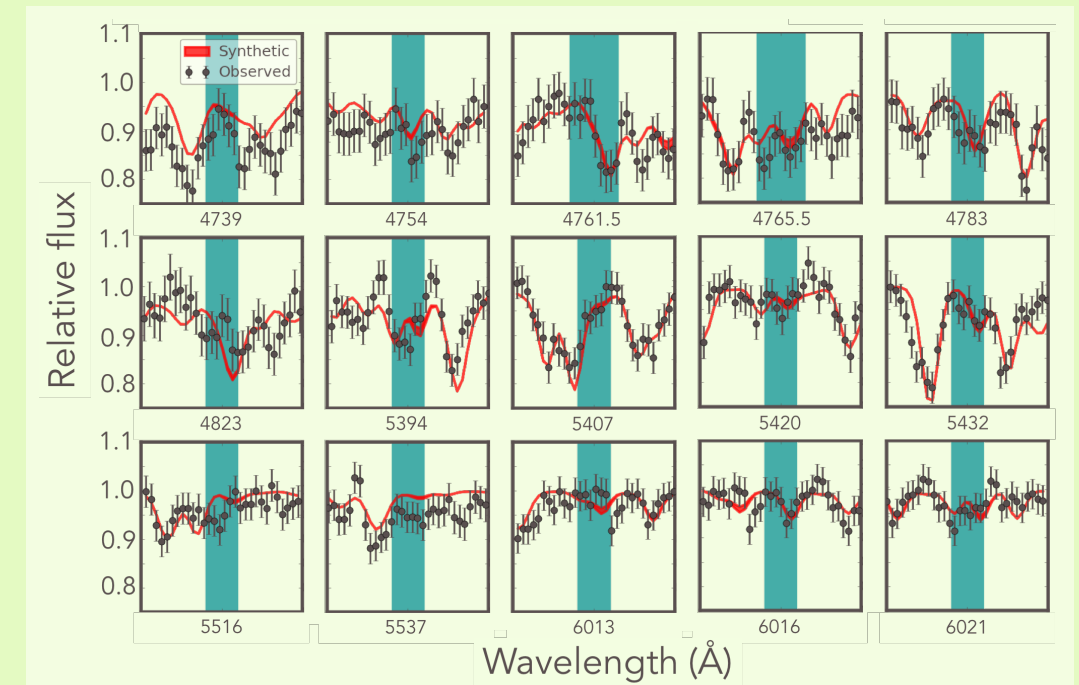
Manganese as an Archaeological Tool

Mia de los Reyes & Evan Kirby - Caltech

Manganese traces Type Ia SNe densities, but so far, only small samples of $[\text{Mn}/\text{H}]$:



Use medium-resolution spectroscopy to increase sample size!



Our Mn abundances suggest that in dSph galaxies, sub-Chandrasekhar mass Type Ia SNe dominate