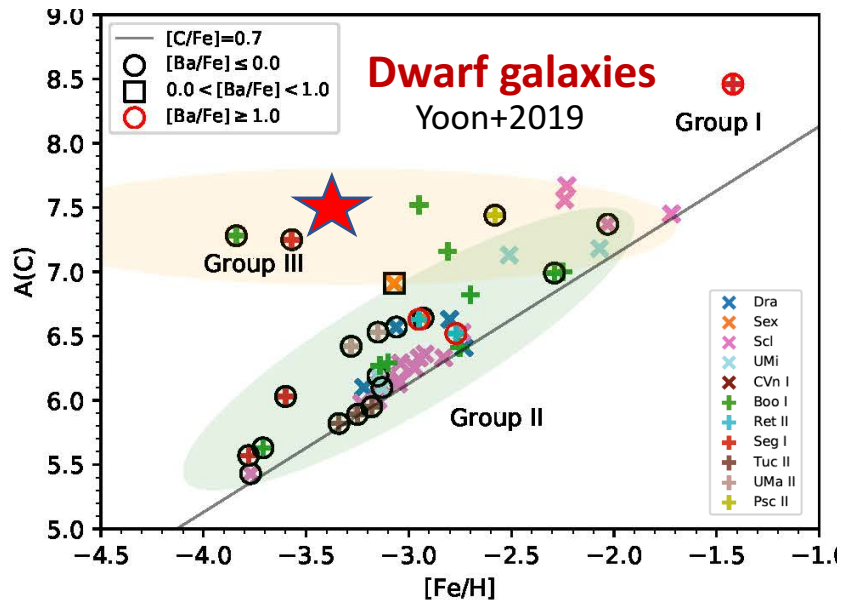
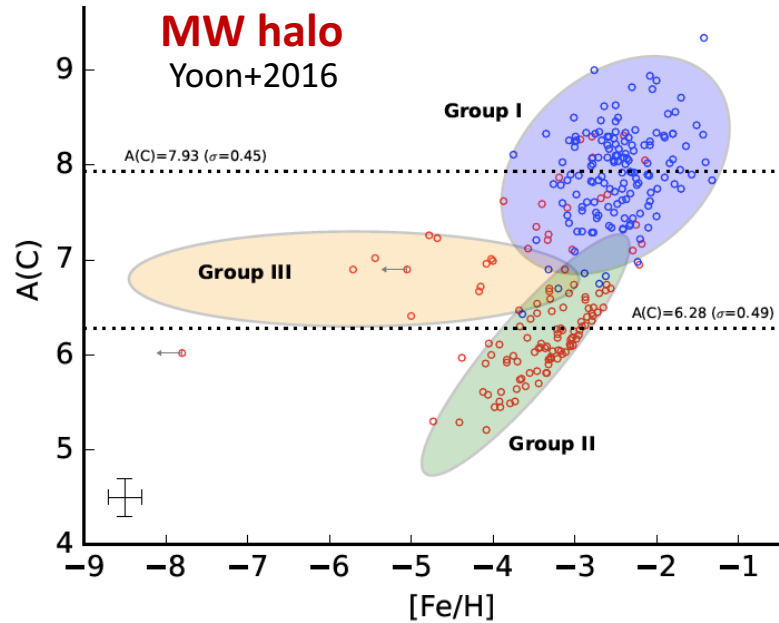


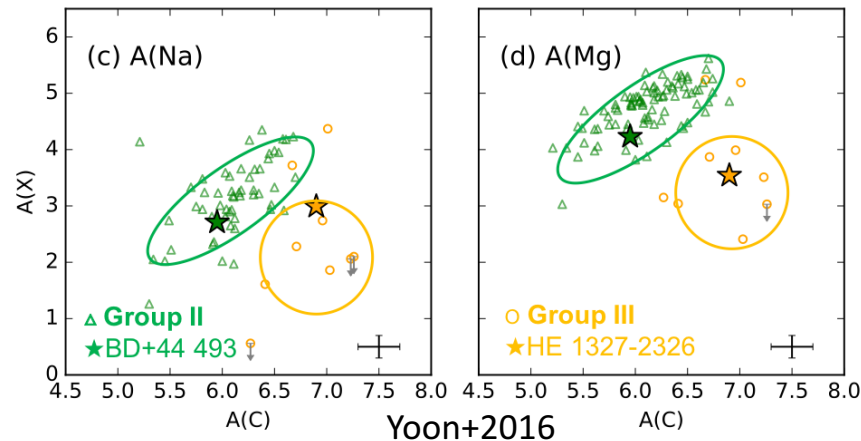
# JINA Horizons WG2 : First-Star Nucleosynthesis

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## ❖ Progress for the last several years

- Multiple progenitors – 3 CEMP Groups (C, Na, Mg, Fe, Ba)
- Same behaviors in both MW halo and Dwarf galaxies
- CASPER: stellar parameter pipeline and Group identification (low/medium-res.)  
A CEMP-no Group III star in CVn I ★



## ❖ Future work

- The nature of the progenitors (Group I and Group III CEMP-no)
- Applications of CASPER to find more CEMP Groups (near/far-field) WEAVE, 4MOST, JWST/NIRSpec

