

Galactic Palaeontology

Eline Tolstoy, Kapteyn Astronomical Institute, University of Groningen



To those whose work makes mine possible!

Stellar Evolution models, atomic and nuclear physics and chemistry, stellar atmosphere models, codes to connect this work to analyses of astrophysical data.















































































dSph & UFD galaxies have different detailed ABUNDANCE properties:

either - caused by early formation processes

OR - UFDs could be ancient outer fragments of larger galaxies

or in UFDs the effect of star formation is different (minihalos)

dSph & UFD & Milky Way have different detailed ABUNDANCE properties

It seems a star typically retains the imprint of the environment in which it formed.









There is an effort to develop an ESO project for the next decade - with a multi-object high resolution (R>40-60k) spectrograph for a VLT to operate in survey mode to follow up 4MOST. Concentrating on blue sensitivity, improving spectrograph and fibre throughput.

Please get in touch if you are interested.