



The top panel shows an artist impression of a star formation event in the early universe (Credit: Adolf Schaller/STScI). In the bottom right panel the metal-poor star Pristine 221.8781+9.7844 and its surroundings are shown (Credits: N. Martin, DECALS survey, and Aladin). The bottom left panel display the spectrum of this very rare star (in black), as well as a synthetic spectrum for the Sun (in grey). The main features in the spectrum of Pristine 221.8781+9.7844 are hydrogen lines. The spectrum also show very narrow Ca feature. This tells us that Pristine 221.8781+9.7844 probably belongs to the first generation of PopII stars ever formed in the Galaxy (Credit: AIP/E. Starkenburg).