



American University of Beirut

Physics Department

Invites you to a talk entitled

Investigating the stellar relics of the early universe

By

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Abstract

The most iron-poor stars are rare relics of the early Universe. They encode in their atmospheres the nucleosynthetic products of the gas of their progenitors, the “First” (Population III) stars, from which they were formed. Their chemical abundance patterns provide detailed information about the formation and evolution of the elements and the involved nucleosynthesis processes. Hence, they also provide us with observational constraints on the nature of the first stars and supernovae. In this talk, I will present the latest results on the properties and chemical abundance patterns of the most iron-poor stars in the Galaxy. I will explain how this reflects upon the properties of the “First” stars, when comparing to Population III supernova nucleosynthesis yields.”

Date: Monday, July 24, 2017

Time: 12:00 p.m.

Place: Emile Bustani for Physics, Rm. 333