



Contribution ID: 23

Type: **not specified**

Backreaction in Swiss Cheese models

Wednesday 16 April 2014 17:40 (10 minutes)

Inhomogeneous cosmological models are often constructed using the Swiss Cheese scheme. I will show that under certain physical assumptions, backreaction must always be small in these models. However, it is possible to break one of these conditions to construct a consistent (but un-physical) solution where backreaction can be large. Finally I will discuss how supernova observations would be interpreted in such a universe.

Primary author: LAVINTO, Mikko (University of Helsinki)

Presenter: LAVINTO, Mikko (University of Helsinki)

Session Classification: Afternoon session