



Contribution ID: 110

Type: **not specified**

Cosmic magnification with submillimeter galaxies

Tuesday 29 August 2023 15:00 (25 minutes)

In recent years, the galaxy-mass cross-correlation has predominantly been probed within weak gravitational lensing via the correlation between foreground positions and background galaxy ellipticities. However, the cross-correlation between the positions of background and foreground galaxies is an alternative observable which, up to now, has been largely overlooked. The corresponding signal is a manifestation of the gravitational lensing effect of magnification bias and has been shown to become extremely significant when using a background sample of submillimeter galaxies. In this talk, I will discuss how this submillimeter galaxy magnification bias can be effectively exploited as a cosmological probe.

Presenter: M. CUELI, Markos

Session Classification: Parallel