



Contribution ID : 93

Type : **not specified**

Observational cosmology with weak gravitational lensing

mercoledì 31 maggio 2023 09:40 (40)

I give a review of weak gravitational lensing by the large scale structures also known as cosmic shear. I will take you through the steps taken to extract cosmological information from data and discuss the results from the recent weak gravitational lensing surveys. I will then discuss the tension in the structure growth parameter when comparing the weak lensing results with the cosmic microwave background and their implications.

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