

Cosmography and tests of the LCDM paradigm with high-precision strong lensing modelling of galaxy clusters

Wednesday, 6 July 2022 11:30 (45 minutes)

I will show how high-precision strong lensing models of galaxy clusters based on high-quality HST imaging and spectroscopic VLT data can constrain the inner dark matter mass distribution of clusters and compared with cosmological simulations. The same lens models enable competitive time-delay cosmography and the study of high-redshift magnified star-forming galaxies.

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Session Classification: Morning session