ID de Contribution: **6** Type: **Non spécifié**

# Testing the cosmological principle

*lundi 16 mai 2022 16:55 (35 minutes)*

The standard model of cosmology is founded on the cosmological principle which
is the hypothesis of large-scale homogeneity and isotropy of the Universe.This hypothesis imposes that the rest frame of distant galaxies coincides with the rest frame of CMB. I will present some of the results we have obtained using the latest catalogues of radio galaxies and quasars which show that the cosmological principle might be violated [1,2]. I will then briefly discuss how the Rubin/LSST photometric catalog of galaxies, extending to redshifts beyond z >~ 2, could be used to check and possibly confirm the above mentioned results.
[1] https://ui.adsabs.harvard.edu/abs/2021arXiv211008868V/abstract
[2] https://ui.adsabs.harvard.edu/abs/2017MNRAS.471.1045C/abstract

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**Classification de Session:** Science