

DESI Lyman-alpha forest: BAO and growth of structures

mercredi 29 octobre 2025 11:00 (40 minutes)

I will present an overview of current cosmological results from the DESI Lyman-alpha forest sample: BAO, a precise Alcock-Paczynski measurement from the 3D full-shape correlations (arxiv:2509.15308), and first measurements of the growth of structures. I will also show first Ly α forest measurements using LBG spectra from DESI, instead of quasars (arxiv:2507.21852).

I will show how the Ly α forest will be used in synergy with other LSS probes at $z > 2$, to calibrate photo- z and test Dark Energy models.

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