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Atelier: La science des grands relevés grand champ

Titre: The Dark Energy Spectroscopic Instrument Year 1 cosmological results from baryon acoustic oscillations

Abstract: I will overview the recently published cosmological results from the first year of observations with DESI. Such results are based on precise measurements of the baryon acoustic oscillations (BAO) in the distribution of galaxies, quasars and Lyman-alpha forest, covering more than four fifths of the history of our Universe. I will present how to produce such measurements and the careful testing of methodology, which was performed on blind data. Finally, I will present the cosmological implications of DESI BAO, alone or combined with other cosmological probes.