

## WST - the Wide-field Spectroscopic Telescope: surveying the Universe in the 2040's and beyond



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### Cosmology with higher-order statistics with the Wide Field Spectroscopic Telescope

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Higher-order statistics in galaxy clustering constrain non-Gaussian information, offering a pathway to more precise measurements of the statistical properties of the Universe on large scales. This is particularly relevant for probing dark energy, dark matter and phenomena associated with nonlinear evolution, the effects of massive neutrinos, and primordial non-Gaussianity. In this talk, I will discuss how the Wide Field Spectroscopic Telescope provides a unique opportunity to constrain the large-scale properties of the Universe at high redshift, enabling new insights into its underlying physical processes.

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