

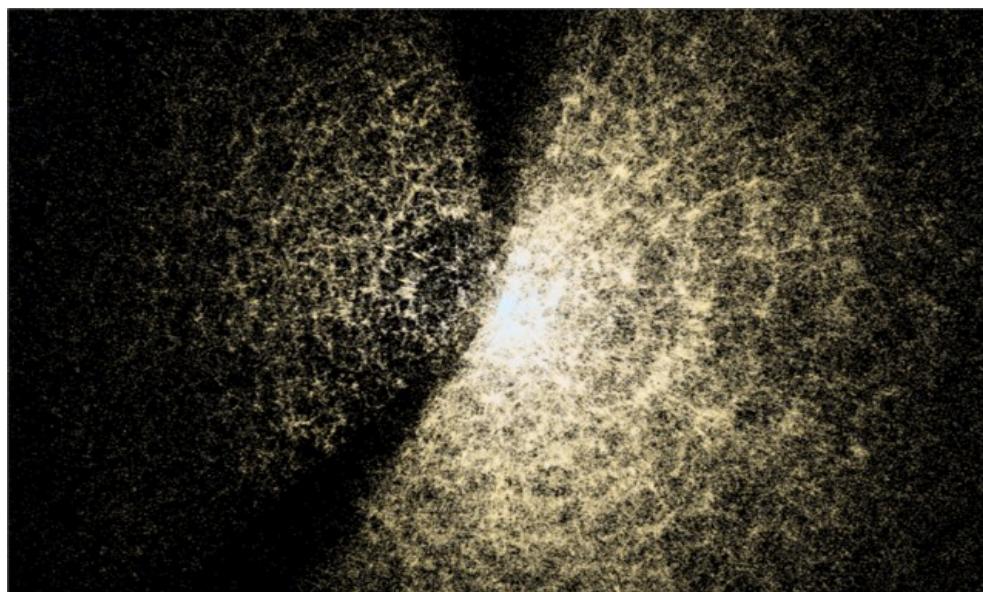


# Cosmological analysis of the completed Baryon Oscillation Spectroscopic Survey.

**Ariel Sánchez**

**(Max Planck Institute for Extraterrestrial Physics, Garching)**

**Tuesday, 29 November 2016, 16:45 h, DESY Auditorium**



Thanks to the information of baryon acoustic oscillations (BAO) and redshift-space distortions (RSD), observations of the large-scale structure (LSS) of the Universe can both constrain the expansion history of the Universe and the growth-rate of cosmic structures, offering one of the most powerful cosmological probes. This has led to the construction of increasingly larger galaxy catalogues, of which the Baryon Oscillation Spectroscopic Survey (BOSS) is perhaps the best example. Containing information for 1.2 million galaxies, BOSS is the largest redshift survey available today. In this talk I will summarize some of the cosmological implications of galaxy clustering measurements based on the completed galaxy samples from BOSS.

- **Coffee, tea and cookies will be served at 16:30h**
- **After the seminar there is a chance for private discussions with the speaker over wine and pretzels**

