Contribution ID: **527** Type: **Parallel Talk**

Cosmology with the Baryon Oscillation Spectroscopic Survey (BOSS)

Friday, July 7, 2017 12:15 PM (15 minutes)

I will present an overview of the final results from the SDSS-III BOSS analysis (DR12). Using the galaxy power spectrum and correlation function, BOSS was able to measure the Baryon Acoustic Oscillations scale in two independent redshift bins to 1% precision. Such constraints allow to map out the expansion history of the Universe and represent one of the most important cosmological tools at low redshift. I will also present the latest constraints on the growth of structure, which allow tests of modified gravity theories and help to constrain the sum of the neutrino masses.

Experimental Collaboration

BOSS

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