

# Neutrino and Dark Energy Constraints for BOSS/eBOSS/DESI

*Tuesday, 10 September 2013 14:20 (20 minutes)*

SDSS-III/BOSS is a 5-year spectroscopic program dedicated to the study of dark energy. The observations started in 2009 on the 2.5m telescope at Apache Point Observatory in New Mexico. The foreseen footprint covers a total of 10,000 square degrees. The survey will consist of 1.5 million LRG galaxies and 160,000 quasars, with mean redshifts  $z=0.6$  and  $z=2.5$  respectively. In this talk, I will present the results on dark energy obtained with the first 1/3 of the survey data. I will also give the status of the neutrino studies in BOSS. I will conclude with perspectives from the following BAO experiments eBOSS and DESI.

**Primary author:** Dr PALANQUE-DELABROUILLE, Nathalie (CEA)

**Presenter:** Dr PALANQUE-DELABROUILLE, Nathalie (CEA)

**Session Classification:** Cosmology II

**Track Classification:** Cosmology