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## Cosmological Results from BOSS and eBOSS

*Monday 7 August 2017 17:15 (15 minutes)*

I will present results from the completed Sloan Digital Sky Survey (SDSS)-III Baryon Oscillation Spectroscopic Survey (BOSS) and initial results from the SDSS-IV extended BOSS (eBOSS). These experiments have obtained spectroscopic redshifts for nearly 2 million galaxies and quasars, allowing the creation of 3 dimensional maps spanning most of the history of the Universe. In addition to other key science results, I will explain how the baryon acoustic oscillation (BAO) feature can be located in these maps and used as a “standard ruler” to allow distance measurements and powerful tests of dark energy.

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