

Baryon Acoustic Oscillations: A Robust and Precise Route to the Cosmological Distance Scale

Monday, 12 October 2015 10:00 (45 minutes)

The baryon acoustic oscillations now provide one of our most robust methods for measuring the cosmic distance scale. I will review the physical principles of the method and describe some recent developments in the practical methodology. I will then present recent BAO results and cosmological implications from the Baryon Oscillation Spectroscopic Survey, part of Sloan Digital Sky Survey III. I will close with a discussion of plans for the next generation of wide-field spectroscopic surveys.

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Session Classification: Plenary Session