



Department Seminar
DIPARTIMENTO DI FISICA, VIA CELORIA 16, MILANO

Aula Consiglio
March 20th, 2014 – 14:30

Will Percival
University of Portsmouth (UK)

**Latest baryon acoustic oscillation measurements
from BOSS**

I will review the latest results from the Baryon Oscillation Spectroscopic Survey (BOSS), concentrating on Baryon Acoustic Oscillation (BAO) distance-scale measurements. The science behind these measurements will be introduced, the results presented, and their impact on the standard cosmological model discussed. The attached plot shows the BAO from the galaxy power spectrum, and is the low-redshift analogue of the CMB TT-power spectrum, showing the same physical processes but seen at low redshift in the distribution of matter. I will then look towards future surveys, considering both near-term and long-term projects, and how they will revolutionise this field.

Students are cordially invited
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