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## Measuring the speed of light with Baryon Acoustic Oscillations

*Tuesday 8 September 2015 15:00 (20 minutes)*

We describe a new method to use Baryon Acoustic Oscillations to derive a constraint on the possible variation of the speed of light. The method relies on the fact that there is a simple relation between the angular diameter distance maximum and the Hubble function evaluated at the same maximum-condition redshift, which includes speed of light  $c$ . We evaluate if current or future missions can be sensitive enough to detect any variation of  $c$ .

**Presenter:** SALZANO, Vincenzo (University of Szczecin, Poland)

**Session Classification:** CMB, LSS and cosmological parameters