

Seminarium Astrofizyczne
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Varying speed of light signatures in cosmological data

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Varying constants theories have become well established alternative theories of gravity. In this talk we will focus on the Varying speed of light (VSL) theories, which have been long analyzed and debated in the last years, with multiple theoretical approaches but very few applications to observational data. We will discuss a method we have developed to measure the speed of light at cosmological scales and at different epochs (redshifts), using data from galaxy surveys (BAO and cosmic chronometers). Given the way it is built up, this method can unequivocally confirm or reject VSL theories and/or the constancy of the speed of light on cosmological scales.

Serdecznie zapraszam,
Agnieszka Majczyna