

Session Program

12-17 Sept 2016



Varying Constants and Fundamental Cosmology - VARCOSMOFUN'16

[VC-O] Varying constants - astronomical observations

Szczecin, Poland
Maritime University of Szczecin Campus, Szczerbcowa 4, 70-503 Szczecin

Thursday 15 September

14:00

[VC-O] Varying constants - astronomical observations

Session | **Location:** Room 5, Szczerbkowa 4, 70-503 Szczecin | **Convener:** Michael Murphy

14:00-14:25

Impact of long-range wavelength-scale distortion on fine-structure constant measurements.

Speaker

Vincent Dumont

14:25-14:50

High-precision limit on variation in the fine-structure constant from a single quasar absorption system

Speaker

Srdan Kotus

14:50-15:15

Artificial intelligence applied to the automated analysis of absorption spectra.

Speaker

Matthew Bainbridge

15:15-15:40

Dark energy constraints from ESPRESSO tests of the stability of fundamental couplings

Speaker

Ana Catarina Leite

15:40

16:10

[VC-O] Varying constants - astronomical observations

Session | **Location:** Room 5, Szczerbkowa 4, 70-503 Szczecin | **Convener:** Michael Murphy

16:10-16:35

Different laws of nature in strong gravitational fields? Study dependence of fine-structure constant on gravitational potential by using white-dwarf spectra

Speaker

JITING HU

16:35-17:00

New constraints on spatial variations of the fine structure constant from clusters of galaxies

Speaker

Ivan De Martino

17:00-17:25

Recovering a redshift-extended VSL signal from galaxy surveys

Speaker

Vincenzo Salzano

17:25-17:50

Tests of local Lorentz invariance of post-Newtonian gravity

17:50

Speaker
Dr Lijing Shao