

Fizički odsjek, PMF, Sveučilište u Zagrebu
Bijenička cesta 32

Seminar Fizičkog odsjeka

Vrijeme (s.t.)

Mjesto

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predavaonica F201

Looking at the Universe in Colour: Commissioning and the first results of MUSE

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Multi Unit Spectroscopic Explorer, MUSE, is a next generation instrument installed on ESO's Very Large Telescope in Chile. It is an integral-field unit which allows for simultaneous spectroscopic observations of a field of 1×1 arc minute in size, providing more than 90 000 spectra in the wavelength range of 4650 – 9300 Angstroms. MUSE was installed and commissioned at the beginning of the year, the science verification observations took place during the summer, and from October 2014 MUSE has been offered to the community. In this talk, I will describe the instrument and present some of the commissioning observations, which show the high image quality of MUSE and its versatility of usage. I will focus on the very first results with MUSE, including the observations of the Hubble Deep Field South, the discovery of a kinematic substructure in the central galaxy in the Virgo Cluster, and evidence for the counter-rotation in another giant elliptical.

Voditelji seminara FO

Damir Pajić i Ilica Smolić