



[Center za astrofiziko in kozmologijo](#) Univerze v Novi Gorici vljudno vabi na predavanja **dr.**

Vida Iršiča

(University of Washington, ZDA) z naslovom:

Strukture na majhnih skalah v medgalaktični snovi: zgodba o temni snovi

oz.

Small scale structure of the inter-galactic medium: a dark matter tale

Predavanje bo v četrtek, 21. junija 2018 ob 14h v Amfiteaterski predavalnici [Fakultete za naravoslovje](#) ([Vip avska 11c, Ajdovščina](#)).

Predavanje bo v angleškem jeziku.

Small scale structure of the inter galactic medium: a dark matter tale.

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The intergalactic medium (IGM) plays a unique role in constraining the (small scale) matter clustering in the Universe, since the low-density, high redshift IGM filaments are particularly sensitive to the small scale properties of dark matter. The main observable manifestation of the IGM, the Lyman-alpha forest, has provided important constraints on the

linear matter power spectrum, especially when combined with cosmic microwave background data. This includes, most notably, the tightest constraints on warm dark matter (WDM) and fuzzy dark matter (FDM) models, that I will present in this talk.