

[Astronomska skupina na FMF](#) vabi v **petek, 4. januarja 2019, ob 11. uri** na Astrodebato na kateri bo **Andrej**

Dvornik

(Univerza v Leidnu, Nizozemska) na kateri bo povzel svoje

delo v okviru pregleda neba KiDS

. Predavanje bo v predavalnici F3 na Jadranski 19,

[Fakulteta za matematiko in fiziko](#)

, Univerza v Ljubljani. Vljudno vabljeni!

Povzetek:

The current ongoing large imaging surveys are an excellent tool for studying the origin and evolution of the Universe and the galaxy - dark matter connection, using the weak gravitational lensing as the main probe. Using the predicting power of the halo model formalism, the weak gravitational lensing (together with other large scale probes) can be used to constrain the origin of the scale dependence of the galaxy bias - the relation between the galaxies and the dark matter distribution, as well as studying the dependence of the formation time of galaxies on their halo masses - so called assembly bias. In this talk I will present the KiDS survey and way it can be used to shine a light on the different aspects of galaxy-halo connection.