



Contribution ID: 49

Type: **not specified**

Weak Lensing Data processing for the CFHTLenS and KiDS surveys [remote presentation]

Thursday, 15 June 2017 15:50 (30 minutes)

I will discuss the data processing and data handling of the CFHTLenS and KiDS collaborations. Special emphasis will be given on our algorithms and processing methods for weak gravitational lensing studies. I will summarise the current status of our image processing pipeline THELI which is optimised to produce lensing quality data from current and future optical Wide-Field Imaging Surveys. Our software suite encompasses all necessary modules from raw images to multi-band object catalogues with photometric redshifts and galaxy shapes.

The talk will be complemented with a summary of the lessons we learnt in the past 15 years to successfully implement and execute an optical Wide-Field Imaging survey.

Topic:

Large photometric surveys

Presenter: ERBEN, Thomas (Universität Bonn, Argelander-Institut für Astronomie)

Session Classification: Workshop