



Contribution ID: 28

Type: **not specified**

Photometry extraction and validation using the HSC pipeline of HSC+u-band data in HSC-SSP deep fields

Tuesday, 13 June 2017 16:00 (40 minutes)

We obtained 300 hours at CFHT to conduct a u-band follow-up (CLAUDS program, $u < 27$) of the HSC-SSP Deep fields (grizY, $r < 27$), over 20 deg². The u band is primarily used to find drop-out (high redshift) galaxies and compute photometric redshifts. Therefore it is necessary to combine the two datasets in a fully consistent way. To do this we developed tools to import the CFHT stack images into the HSC pipeline framework and ran the photometry extraction using the HSC pipeline tools. In this talk I will explain how we did it and I will show some validation results.

Topic:

LSST stack beyond LSST

Presenter: Dr COUPON, Jean (University of Geneva)

Session Classification: Workshop