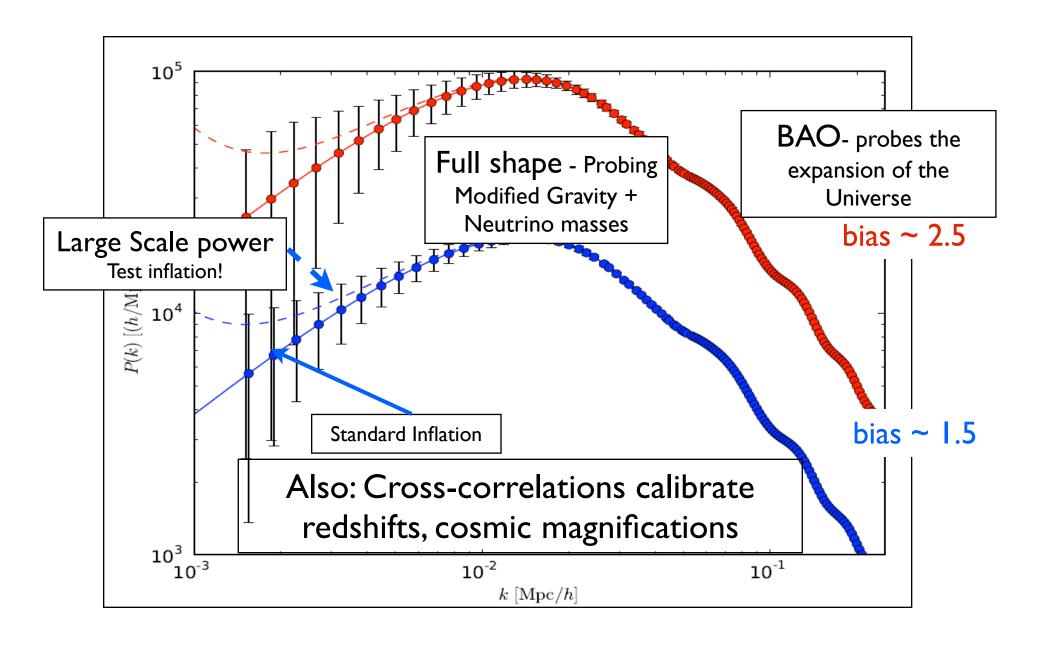


LSST-DESC Large-Scale Structure Analysis Working Group

LSS WG Convenors:

Shirley Ho (CMU) & Eric Gawiser (Rutgers)

What do we learn from Large Scale Structure?



What did we decided to do as a group 1 year ago?

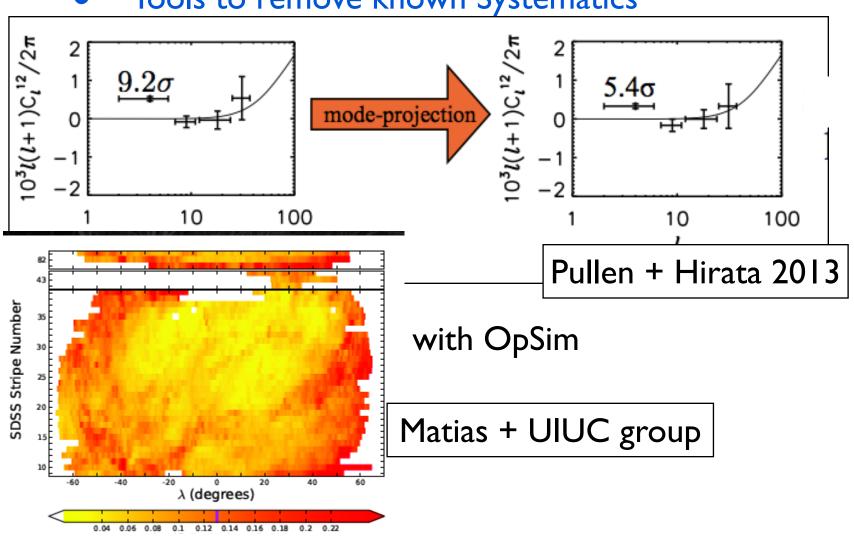
- Tools to remove known Systematics
- Analyze Image Simulations
- Setting Requirements on Systematics
- Scalable LSS analysis software
- Full Sky simulations with OpSim
- Tools to Detect unknown systematics

What have we done this year on these tasks?

- Tools to remove known Systematics
- Analyze Image Simulations
- Setting Requirements on Systematics
- Scalable LSS analysis software
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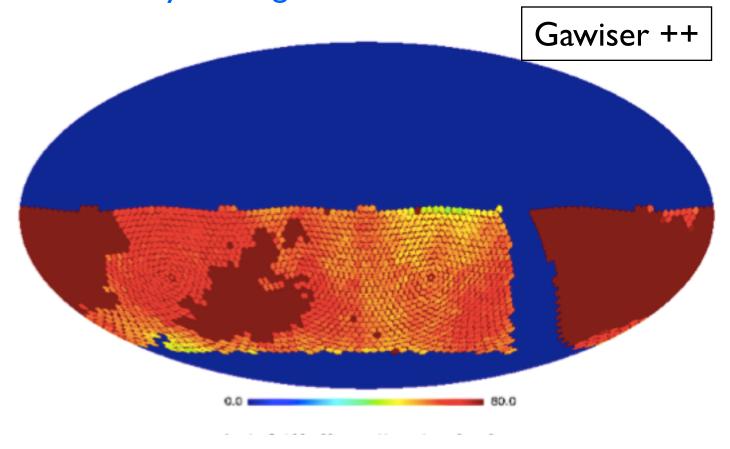
What have we done this year on these tasks?

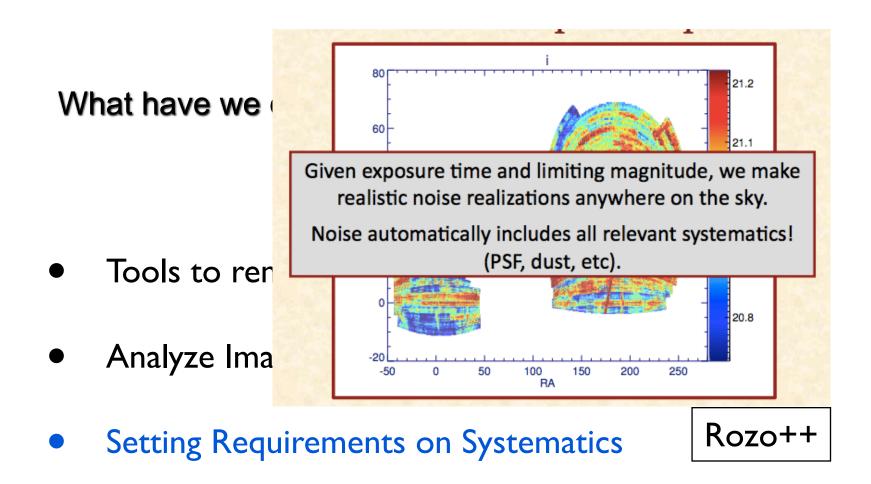




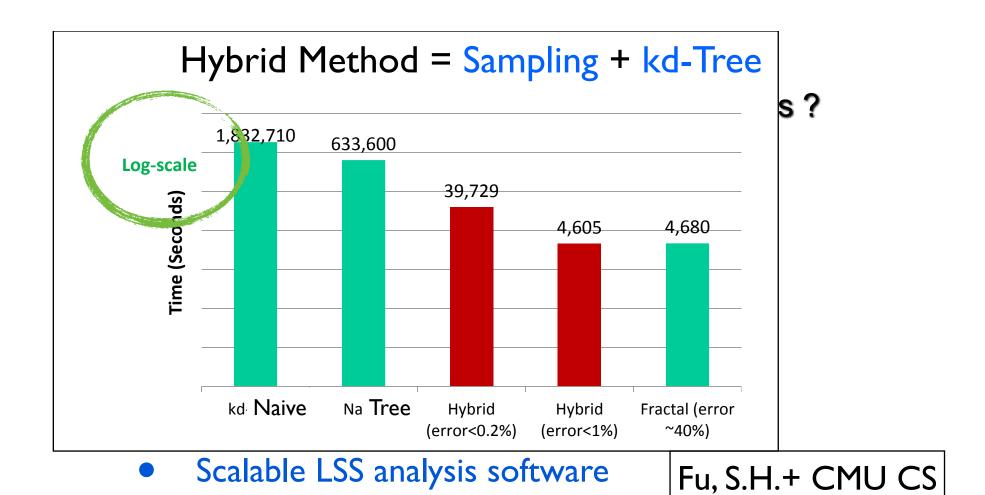
What have we done this year? on these tasks?

- Tools to remove Unknown Systematics
- Analyze Image Simulations

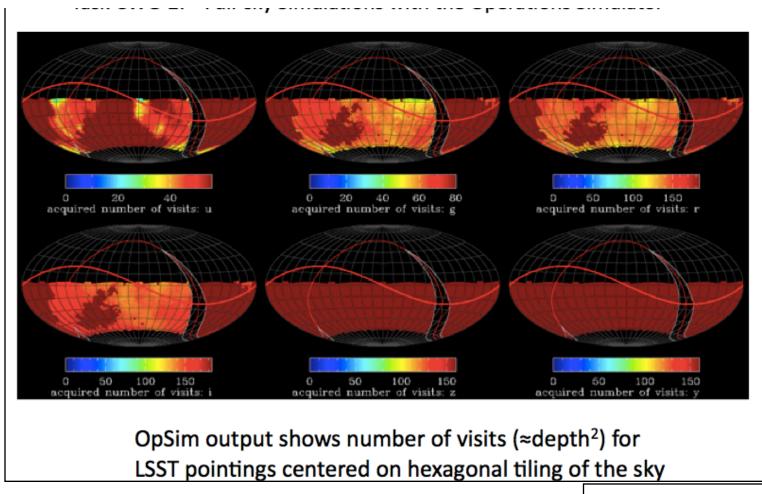




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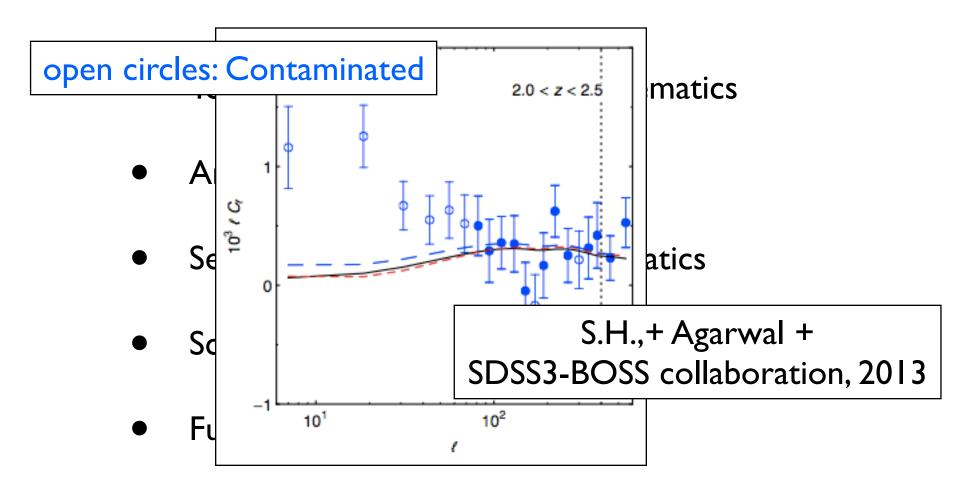


Full Sky simulations with OpSim

Gawiser++

Tools to Detect unknown systematics

What have we done this year? on these tasks?



Tools to Detect unknown systematics

- Other cool things we discovered in the LSS++ meeting:
 - Systematics in observations that affects photo-z and LSS?
 - Should analyze the soon-available LSST DM-stack of Stripe 82 to test our photo-z, clustering-z, systematic-removal, systematic-detection algorithms
 - Use HOD-emulator! (talk to Juliana Kwan)
 - Many machine learning algorithms applied to various problems: ranging from photo-z, systematics to simulation generations (talk to Matias Kind / me)

Please contact us if you're interested in working on Large-Scale Structure

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