

Monday 03/27

Welcome, introductions

Data status - (1.5 hr)

SPTpol, SPTpol summer, SPT-3g (Lindsey, Brad) 15 min

Weak Lensing Data products (TBD) - 5-10 min

X-ray (Mike M, Esra, Adam) 5min

Magellan (Fourstar-- Matt, +?) 5 min

ATCA 100d (Lindsey); ATCA 100C (Mike) 5 min

Other surveys:

DES update (Y1-Y3, Y4 etc timescales) (Joerg) 5-10 min

KiDs (Tim) 5min

Panstarrs (Brian S) 5 min

Discussion 30 min

Coffee Break!

Lightning Talks - Discussion of all ongoing projects

- Remote talks from Europe first
- Make all ongoing or planned projects visible
- What analysis blocks exists?

(5 min talk+5 discussion each; 1-3 slides (maximum)) TIME KEEPER

Every ongoing project (except things covered elsewhere) (2.5 hrs)

Presenters (alphabetical by first name?):

- Alex: DES+SPT RM SZ signal
- Beatriz Hernandez: Analysis plans for new HST data on Julie's fgas clusters, improved shear calibration. (LB - Is this 5+5 or 10+5 for 2 projects?)
- Corvin Stern: DES-SV, Y1 lensing analysis of SPT clusters
- Fatimah Raihan: Improving HST photo-z's for lensing analysis
- I-Non: Baryon content of a complete sample of clusters at $0.25 < z < 1.25$ (SPT+DES)
- Lindsey: ymap, mm-wave spectrum, PISCO SL, specz clusters, 0329 (10+5 with multiple projects?)
- Mark Brodwin - update on Krystal's SF paper
- Matt Bayliss - Fourstar Plans
- Matthias - DES confirmation of clusters ((MCMF) on SPT+DES.) (5+5, with 10+5 if space)
- Mike McDonald (Cooling Flows; Extreme Feedback; Julie's Central AGN) (10 min +5 for 3)
- Nicholas Huang - SPTpol 100d
- Sebastian: Growth of cosmic structure (might get merged into afternoon session)
- Srinii: Temperature and polarisation CMB cluster lensing with SPTpol and DES redMaPPer data

Overflow for more technical discussions on Tuesday afternoon

Lunch talk - Simulations (Salman 20 min)

Afternoon

Cosmology topics - SB organizer: Let me know if/how you want to contribute!

- Current scaling relations and cosmology (SZ and X-ray, Sebastian)
 - Summary of scaling relation and simulation tests
 - X-ray profile handling: likelihood evaluation
 - Updated results
- Current WL (HST-13 + Megacam-19) enabled cosmology/scaling relations (Joerg, Seb)
- CMB Cluster Lensing w/SPTpol & 3G (Srin confirmed, Eric?) (10-15 min)
- Weak Lensing - where are we and where are we heading? (ALL)
 - Simulation-based mass modeling for WL mass measurement (Doug, 10 min)
 - Cosmology - Immediate next steps... looking to the future (RASS, SPTpol, 3G) (many)
 - SPT+RASS (Adam)
 - SPT+Megacam+HST+DES
 - Forecasting effort (Sebastian, Joerg, Lindsey)
 - Mike McDonald -- High redshift cluster confirmation for SPT-3G

Collaboration Dinner

Tuesday 03/28

Morning

Break out sessions/hack/Discussions: (2 hrs)

Make sure to assign names/signup!!!!

WL Lensing Group (Sebastian+) [Will have remote call-ins: Blue Jeans]

Strong Lensing Session (Lindsey, Mike, Keren, Matt +)

X-ray analysis coordination

High-z Clusters?

Your topic here

Coffee break!

All hands discussion astrophysics (1 hr + ?)

(Steve, Mark, Mike M, Veronica, Matt)

What are the data we need?

cluster AGN science (Becky)

High-z clusters, Gas properties

Baryonic feedback via SZ vs lensing comparisons

Brainstorming - Are we missing DESxSPT cluster science (all?)

Lunch + new ideas session (David+ free discussion)

Afternoon

Finish up breakout; group summary of breakouts (if needed)

Extended Discussions from Mondays topics

Extended Discussion about process (1.5 hrs)

Please comment if you have strong opinions; We need to assign a few names to help lead this discussion Lindsey, Brad, John, +

- Clarify paper approval process
- Be clear what kind of draft this is. (very rough, WG review, etc)
- Classes of papers (key: critical to collaboration vs. opt-in)
- More regular project updates.
- Discussion of analysis ownership
 - Accountability
- Global visibility & tracking of status, results
- Re-merging lensing + main cluster groups/ improving connections between groups
- Conference attendance (SPT attendance at all key cluster conferences)
- What can we do to make the working group work better?
- Is there something we are limited by? What's your biggest concern (go around the room)
 - Resources/collaboration structure

Wednesday 03/29

Morning

Large/Other Proposals

- JWST (Anthony+Mark)
- Spitzer DDT (Lindsey, Mark)
- Xray - Adam, Mike, Steve, Esra
- HST - Tim, Doug, Lindsey/Mike G
- Hawaiian telescopes for summerfield followup (Brian S)

- Prioritizing telescope time (Ground based: Magellan, Gemini, VLT) (WL/redshift followup/astrophysics, etc) (Layout follow-up strategy for SPT-3g, confirmation, mass calibration)

Afternoon

TBD, more informal discussion, hacks, space for overflow of previous topics, lunch provided

REMOTE Connection Info: (will update later days)

Meeting Title: SPT Cluster f2f Day 1

Meeting Time: Monday March 27, 2017 • 8:30 a.m. CDT / 9 hrs

Connecting directly from a room system?

1) Dial: 199.48.152.152 or bjn.vc

2) Enter Meeting ID: 740583009

Just want to dial in on your phone?

1) [Direct-dial with my iPhone](#) or

[+1.408.317.9254](tel:+14083179254) (BlueJeans U.S. Toll)

[+1.866.226.4650](tel:+18662264650) (US Toll Free)

[\(all numbers\)](#)

2) Enter Meeting ID: 740583009

3) Press #