

BOSS/eBOSS Meeting Agenda, Cloudcroft NM, 3-6 December 2014

Related Links

- [Location of The Lodge, Cloudcroft, New Mexico](#)
- <http://boss2014.lbl.gov> Registration
- http://boss2014.lbl.gov/?page_id=55 Participant list
- [Car share from the airport to the Lodge](#)
- [Apache Point Observatory tours](#)

Session Organizers

- Plenaries -- (BOSS) David Schlegel
- Plenaries -- (eBOSS) Kyle Dawson, JP Kneib, Will Percival
- **Lightning talk sessions** -- Beth Reid
- **Gal. clust.** -- Jeremy Tinker, Rita Tojeiro (BOSS), Ashley Ross, Cameron McBride (eBOSS)
- **Lya** -- Andreu Font, Jim Rich (BOSS), Andreu Font, Shirley Ho (eBOSS)
- **QSO** -- Isabelle Paris (BOSS), Ian McGreer, Paul Green, Antonis Georgakakis (eBOSS)
- Galaxy science -- Claudia Maraston (BOSS), Zheng Zheng, Rita Tojeiro (eBOSS)
- TDSS -- Paul Green, Scott Anderson
- SPIDERS -- Andrea Merloni, Kirpal Nandra
- Pipeline, data access -- Stephen Bailey
- EPO -- Britt Lundgren
- DR12 + DR13 -- Adam Bolton
- eBOSS ELG - JP Kneib
- AAS meeting preparation

Overall program

	Wednesday	Thursday	Friday	Saturday
Morning 9-10:30	Plenary	Plenary	Plenary + Lightning Talks	Gal clustering / eBOSS QSO
Morning 11-12:30	Plenary + Lightning Talks	Plenary Gal clustering	SPIDERS / LyAF	eBOSS tech papers / EPO
Afternoon 2-3:30	Gal clustering / QSO	-- / QSO RM	eBOSS ELG / --	Gal clustering + DR12/DR13 / eBOSS QSO (1:30-3:00)
Afternoon 4-5:30	Gal clustering / LyAF	-- / LyAF	Galaxy science / --	Adjourn at 3 pm

- Pavilion Hall: For plenary sessions on Wed + Thursday morning
- Pavilion Hall: The "galaxy" room for the left-hand listed breakout
- Marcia Room: The "QSO" room for the right-hand listed breakout
- Trestle Room: Extra space the basement, with 40-person capacity
- Crystal Room: Extra space on the main level of the lodge, with a 12-person capacity

Apache Point Observatory tours will meet in the hotel lobby at 2:00pm on Wednesday, Thursday, Friday, with an expected split as follows:

- Wed afternoon: eBOSS/TDSS/SPIDERS
- Thurs afternoon: Galaxy clustering

- Fri afternoon: QSO

Remote Dial-in Numbers

- Pavilion Hall: 866-571-7790 (Toll free number), 73311 (participant PIN)
- Marcia Room: 877-654-4778 (Toll free number), 08920 (participant PIN)

Wednesday Dec 3, 2014

Morning Plenary: Overview & Lightning Talks

- 9:00 - 10:15 : Overview
 - **Welcome and logistics** - *David Schlegel (15)*
 - BOSS: Our Past Light Cone - *David Weinberg (25+5)*
 - The Joint Paper: Cosmology from BOSS Galaxy Clustering + LyAF - *Jose Vazquez (25+5)*

10:15 - 10:45 : Coffee

- 10:45 - 12:30 : Overview + Lightning Talks
 - **Neutrino Masses from BOSS LyAF** - *Nathalie Palanque-Delabrouille (25+5)*
 - **DECam Legacy Imaging Survey** - *David Schlegel (25+5)*
 - **Lightning Talks session 1 (45)**

Lunch : 12:30 - 2:00

Afternoon Parallels : 2:00 - 5:30 + APO TOUR 1

- 2:00 - 3:30 : BOSS Galaxy clustering (Chair: Angela Burden)
 - **Cosmic homogeneity from QSO clustering** - *Etienne Burtin*
 - Joint density, peculiar velocity and power spectrum sampling - *Francisco Kitaura*
 - Mass assignment in the Multidark Mock catalogs - *Cheng Zhao*
 - Clustering tomography on BOSS-DR12 - *Salvador Salazar-Albornoz*
 - Optimal Redshift Weighting for BAO - *Fangzhou Zhu*
 - Robust cosmological constraints from galaxy clustering - *Chia-Hsun Chuang*
 - Optimal weighting for RSD - *Lado Samushia*
 - Luminosity Function in BOSS - *Antonio Montero Dorta*
 - Discussion
- 2:00 - 3:30 : BOSS QSO science (Chair: Isabelle Pâris)
 - **Clustering of intermediate quasars using SDSS III-BOSS sample** - *Sarah Eftekharzadeh (20+5)*
 - **Constraint on the time variation of the fine-structure constant with BOSS (SDSS-DR12)** - *Johan Comparat (20+5)*
 - **Restframe DLA optical emission from stacked UKIDSS/WISE photometry** - *K.G. Lee (20+5)*
 - DR12 discussions

3:30 - 4:00 : Coffee

- 4:00 - 5:30 : LyAF (Chair: Jim Rich)
 - **TBD** - *Daniel Margala (15)*
 - **Modeling 3-d correlations in the non-linear regime** - *David Weinberg (15)*
 - **LyAF-QSO cross** - *Ignasi Pérez-Ràfols (15)*
 - **Life beyond BAO** - *Andreu Font-Ribera (15)*

- Discussion on non-BAO publications from DR12 (30)
- 4:00 - 5:30 : BOSS Galaxy clustering (Chair: Jeremy Tinker)
 - Fiber collision Corrections for the Power Spectrum and Bispectrum - *ChangHoon Hahn*
 - Status of Theoretical Systematics: Test on reconstruction - *Mariana Vargas-Magana*
 - Status of Observational Systematic Uncertainty on Anisotropic BAO measurements - *Ashley Ross*
 - Discussion of DR12 plans

Thursday Dec 4, 2014

Morning Plenary

- 9:00 - 10:30 : Plenary
 - **eBOSS: Our Future Light Cone** - *JP Kneib (25+5)*
 - **eBOSS Observations and Operations** - *Kyle Dawson (25+5)*
 - Planck results - *Martin White (25+5, remotely)*

10:30 - 11:00 : Coffee

- 11:00 - 12:30 : BOSS Galaxy clustering (Chair: Florian Beutler)
 - **DR12 RSD: large and small** - *Beth Reid (20)*
 - Cosmological implications of the full shape of the BOSS-DR12 wedges - *Ariel Sanchez (20)*
 - Reconstruction and BAO - *Angela Burden (20)*
 - **Mock Galaxy Catalogs in BOSS** - *Paco Prada (20)*
 - Discussion

Lunch : 12:30 - 2:00

Afternoon Parallels : 2:00 - 5:30 + APO TOUR 2

- 2:00 - 3:30 : BOSS Reverberation Mapping (Chair: Jonathan Trump)
 - **Introduction, Project status** - *Yue Shen (20, remote)*
 - **SDSS-RM Spectral Variability: First Results** - *Jonathan Trump (20)*
 - **XMM-RM proposal** - *Paul Green (10)*
 - Discussion - *(40)*

3:30 - 4:00 : Coffee

- 4:00 - 5:30 : LyAF: DR12 BAO analyses (Chair: Andreu Font-Ribera)
 - **Progress in Lyman-alpha forest BAO fitting** - *Michael Blomqvist (15)*
 - **DR12 Lya auto-correlation** - *Jim Rich (15)*
 - **Pipeline systematics affecting the Lyman alpha forest science** - *Julien Guy (15)*
 - Discussion and planning - *(45)*

Friday Dec 5, 2014

Morning Plenary + Lightning Talks

- 9:00 - 10:30 : Overview
 - **The Time Domain Spectroscopic Survey** - *Paul Green (30+5)*
 - **SPIDERS** - *Tom Dwelly (30+5)*

- **Lightning Talks session 2 - (20)**

10:30 - 11:00 : Coffee

Morning Parallel

- 11:00 - 12:30 :eBOSS QSO Science+ TDSS+SPIDERS in **Pavilion Hall** (Chair: Ian McGreer)
 - **TDSS/SPIDERS/QSO templates** - *Adam Bolton (45)*
 - TDSS QSOs/Stars and templates - *Paul Green (10)*
 - SPIDERS QSO science highlights/plans - *Antonis Georgakakis (20)*
 - Discussion
- 11:00 - 12:30: LyAF in eBOSS in **Crystal Room** (Chair: Julian Bautista)
 - **Measuring BAO using the $z=1.6$ Carbon forest in eBOSS** - "Mat Pieri (10 min)"
 - Efforts to get mocks for eBOSS - *Julian Bautista, moderator (30 min)*
 - **LyAF/Pipeline discussion**- *Stephen Bailey, Julian Bautista (50 min)*
- 11:00 - 12:30 : BOSS Galaxy clustering in **Marcia Room** (Chair: Cameron McBride)
 - Power Spectrum Monopole and Quadrupole for DR12 CMASS galaxies - *Hector Gil Marin*
 - Status of the BOSS-DR12 Fourier-space analysis - *Florian Beutler*
 - **2Dbaoseo.pdf**Status of 2D BAO fitting in Fourier space - *Hee-Jong Seo*
 - Fourier space wedges - *Jan Niklas Grieb*
 - Discussion - Moderator: Rita Tojeiro

Lunch : 12:30 - 2:00

Afternoon Parallels : 2:00 - 5:30 + APO TOUR 3

- 2:00 - 3:30 : eBOSS ELGs
 - **ELG BAO Motivation** - *Johan Comparat (20)*
 - **eBOSS target selection** - *Timothee Delubac (20)*
 - **WISE added information for ELG selection** - *Anand Raichoor (10)*
 - **SCUSS data for targeting** - *Zou Hu (10)*
 - Discussion (*30 min*)

3:30 - 4:00 : Coffee

- 4:00 - 5:30 : eBOSS Galaxy & quasar clustering / galaxy science
 - Pipeline redshifts discussion - *Tim Hutchinson, Adam Bolton (40)*
 - **SEQUELS QSO clustering** - *Pierre Laurent (12+3)*
 - SEQUELS metal absorption catalog - *Britt Lundgren (8+2)*
 - **Multidark simulations and eBOSS galaxy mocks** - *Johan Comparat (8+2)*
 - **Star formation rate for star-forming galaxies** - *Zou Hu (8+2)*

Saturday Dec 6, 2014

Morning Parallel

- 9:00 - 10:30 : eBOSS QSO science + TDSS+SPIDERS
 - Survey planning discussion - *Ian McGreer, moderator (90 min)*
- 9:00 - 10:30 : BOSS Galaxy clustering
 - **VPF measurement in BOSS** - *Kilian Walsh*

- Discussion - Moderator: Rita Tojeiro

10:30 - 11:00 : Coffee

- 11:00 - 12:30 : eBOSS technical papers - focus on the remaining discussions on structure/contents -
 - LRG - *Abhi Prakash (20)*
 - Survey - *Kyle Dawson (20)*
 - QSO - *Adam Myers (20)*
 - ELG - *Timothee Delubac (20)*
 - Discussion
- 11:00 - 12:30 : EPO (Chair: Britt Lundgren)

Lunch : 12:30 - 1:30

Afternoon Parallels : 1:30 - 3:00

- 1:30 - 3:00 : eBOSS QSO science + TDSS+SPIDERS
 - **Quasar cataloging discussion** - *Isabelle Pâris, moderator*
- 1:30 - 3:00 : BOSS Galaxy clustering + DR12/DR13 planning
 - Discussion - Moderator: Rita Tojeiro

Note: Meeting must close by 3 pm to allow the Lodge to host another event

Attachments (40)

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