

SDSS-IV 2018 Collaboration Meeting

Sejong University, Seoul, Korea, 18-22nd June 2018

Meeting Code of Conduct

The Sloan Digital Sky Survey is dedicated to providing a harassment-free conference experience for everyone, regardless of gender, gender identity and expression, sexual orientation, disability, physical appearance, body size, race, age, or religion. We do not tolerate harassment of conference participants in any form. All communication should be appropriate for a professional audience including people of many different backgrounds. Remember that harassment and sexist, racist, or otherwise exclusionary jokes - during talks or other interactions - are not appropriate for the SDSS meeting. Be kind to others. Do not insult or put down other attendees. Behave professionally. Be mindful and considerate of the wide variety of cultures represented in our membership.

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Thank you for helping make this a welcoming, friendly event for all.

SESSIONS IN DETAIL

Monday June 18th

Opening Plenary

Chair: Karen Masters (9:00 - 10:30)

- *Welcome & Logistics*, Graziano Rossi (Sejong) 10m
- *Status of SDSS-IV*, Mike Blanton (NYU) 20+5m
- *COINS Intro*, Amy Jones, 10m
- *The Next SDSS: SDSS-V*, Nathan De Lee (NKU) 20+5m
- *What have we learned and will be able to learn from the observation of gravitational waves?*, Hyung Mok Lee (Leader of LIGO-Korea group, Seoul National University), 15m+5m

Plenary Session II

Chair: Matt Bershady (11:00-12:30)

- *Structure Formation 101*, Hector Gil Marin (LPNHE, Paris), 15+5m
- *eBOSS Overview*, Hee-Jong Seo (Ohio University), 12+3m
- *Clustering in the eBOSS ELG sample*, Arnaud de Mattia (CEA). 20+5m
- *Collaboration 101: How to Find your Data* - Anne-Marie Weijmans (St Andrews), 15+5m
- *Lightning Talks* 15m

12:30-2:00 - Lunch Break

COINS Code of Conduct Discussion

Plenary Session III

Chair: Anne-Marie Weijmans (2:00-3:30)

- *Milky Way Formation 101*, Steve Majewski (UVa), 15+5m
- *MaNGA Overview*, Kyle Westfall (UCO), 12+3m
- *Marvin 101* - Brian Cherinka, 12+3m
- *Chemical evolution of our Milky Way and external galaxies revealed by APOGEE and MaNGA*, Jianhui Lian (Portsmouth). 20+5m
- Lightning Talks, 15m

Parallel Sessions I (4:00-5:30)

* *The End of Star Formation in Galaxies*

Chair: Cheng Li

- *Star Formation and Retired Sequences of galaxies with the MaNGA survey*, Mariana Cano-Diaz, 12+3m
- *Post-Starburst Galaxies in SDSS-IV MaNGA*, Yanmei Chen, 12+3m
- *Self-similar star formation history in (some)post-starburst galaxies*, Zhuo Cheng, 12+3m
- *The Formation Sequence of S0 Galaxies*, Amelia Fraser-McKelvie, 12+3m
- *Integral field spectroscopy observations applied to a simulated galaxy. I. Testing the fossil record method*, Hector Javier Ibarra-Medel, 12+3m
- Discussion, 15m

* *The Milky Way as a Galaxy*

Chair: Rachael Beaton

- *Galactic Mass and Anisotropy Profile with Halo K-Giant Stars from GAIA and LAMOST*, Sarah Bird, 12+3m
- *Milky Way Mapper*, Jennifer Johnson, 12+3m
- *Bulk motion and its uncertainties in the solar neighborhood with GAIA and LAMOST*, Zhao-Yu Li, 12+3m
- *The Milky Way has a larger disk*, Chao Liu, 12+3m
- *Velocity and metallicity distributions of stars in the solar neighborhood based on GAIA and APOGEE*, Yingying Zhou, 12+3m
- Discussion, 15m

Tuesday June 19th

Plenary Session IV

Chair: Jennifer Johnson (9:00 - 10:30)

- *Secular Galaxy Evolution 101*, Preethi Nair (UA), 15+5m (REMOTE TALK)
- *APOGEE Overview*, Katia Cunha and Verne Smith, 12+3m
- *APOGEE-2 South: Progress on the survey and status report*, Andres Almeida (La Serena), 12+3m

- *Constraining the formation of the Milky Way disk with APOGEE, Gaia and the EAGLE simulations* - Ted Mackereth (LJMU) 20+5m
- *COINS Demographics Survey Update*, José Sánchez-Gallego, 12+3m

Parallel Sessions II (11:00-12:30)

*Clustering/Cosmology

Chair: Graziano Rossi

- *Baryonic Acoustic Oscillations with 3-point Correlation Function of Quasars*, Choi Doohyun, 12+3m
- *The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample: anisotropic clustering analysis in configuration-space*, Jiamin Hou, 12+3m
- *Analysis of eBOSS DR14 Lyman-Alpha Forest Using PICCA*, Youngbae Lee, 12+3m
- *Lensed Lyman alpha emitters in the BELLS GALLERY survey*, Ismael Perez-Fournon, 12+3m
- *Quasars as a tracer of large-scale structures in the distant universe*, Hyunmi Song, 12+3m
- Discussion, 15m

*Barred Galaxies

Chair: Amelia Fraser-McKelvie

- *Bar Fraction in Early- and Late-type Spirals*, Yun Hee Lee, 12m+3m
- *A Bar pattern speeds and centre dark matter fractions of MaNGA barred galaxies*, Rui Guo, 12m+3m
- *Measuring the Bar Pattern Speed of MaNGA Galaxies from Stellar and H alpha Kinematics*, Yanfei Zou, 12m+3m
- *Stellar kinematic signatures and the cold high-velocity peaks of the Milky Way bar/bulge*, Yingying Zhou, 12m+3m
- *Characterizing Galaxy Velocity Fields Using the Radon Transform*, David Stark, 12m+3m
- Discussion, 15m

12:30-2:00 - Lunch Break

EPO Lunch

Plenary Session V

Chair: Kyle Westfall (2:00-3:30)

- *Simulations 101*, Francisco Kitaura (IAC), 15+5m
- *SPIDERS Overview*, Agnese Del Moro (MPE), 12+3m
- *Modelling eBOSS Galaxies and Quasars: Techniques, Tools, Products*, Graziano Rossi (Sejong), 20+5m
- *MaStar Overview*, Renbin Yan (UKY), 12+3m
- *Collaboration 101: How to get involved in EPO*, Mariana Cano Diaz (UNAM) 12+3m

Parallel Sessions III (4:00-5:30)

*Stellar parameter determination

Chair: Renbin Yan

- *The metallicity effect on line-depth ratios in APOGEE H-band spectra* , Mingjie Jian, 12m+3m
- *Stellar parameter calibration for warmer stars* , Dan Lazarz, 12m+3m
- *MaSTAR stellar population models news and effect of stellar parameters* , Claudia Maraston, 12m+3m
- *Multiple Populations in Globular Clusters as Seen by the APOGEE Survey*, Szabolcs Meszaros, 12m+3m
- *Stellar initial mass function variation inferred from Bayesian analysis of the integral field spectroscopy of MaNGA early type galaxies* , Shuang Zhou, 12m+3m
- Discussion, 15m

*Starforming Galaxies and Starformation Histories

Chair: Dave Stark

- *The evolution of eBOSS ELG at $z \sim 0.7$* , Hong Guo (SHAO), 12+3m
- *Exploring the host galaxy properties of the SPIDERS-DR14 AGN* , Agnese Del Moro, 12+3m
- *Estimating dust attenuation from galactic spectra* , Niu Li, 12+3m
- *Dust Extinction in Starforming Galaxies*, Jiafeng Lu, 12+3m
- *MaNGA Stacking: Spectroscopic Variations in Star Forming Galaxies* , Camilo Machuca, 12+3m
- *Local and Global Chemical Abundance Patterns with MaNGA* , Taniya Parikh, 12+3m

Wednesday June 20th

Plenary Session VI:

Chair: Amy Jones (9:00 - 10:30)

- *Galaxy Environments 101* - Maria Argudo (Antofagasta), 15+5m
- *Gas, dust and stars: a multiwavelength picture of galaxy evolution with MaNGA and ALMA* - Kate Rowlands (JHU) 20+5m
- *Collaboration 101: Friendly IV-midables* (advice for working in SDSS-IV, followed by Q&A), Karen Masters (Haverford/Portsmouth), 12+3m
- *Lightning Talks* - 30m

Parallel Sessions IV (11:00-12:30)

***Gas in and Out of Galaxies**

Chair: Kate Rowlands

- *The circumgalactic medium of eBOSS emission line galaxies* , Ting-Wen Lan, 12m+3m
- *On the physical origin of off-galaxy H_{alpha} blobs* , Xihan Ji, 12m+3m
- *Studying extra-planar, ionized gas with stacked MaNGA galaxies* , Amy Jones, 12m+3m
- *Using MaNGA to Understand Milky Way Diffuse Ionized Gas Near Galactic Center and at Large Heights*, Dhanesh Krishnarao, 12m+3m
- *HI-MaNGA: HI Followup of the MaNGA Survey* , Karen Masters, 12m+3m
- Discussion, 15m

***Galaxy Dynamics**

Chair: Mariana Cano-Diaz

- *Rotation Curves of SDSS-IV MaNGA Galaxies and their Mass and Environmental Dependence* , Haeun Chung, 12m+3m
- *Polar Ring Galaxy in MaNGA* , Shuai Feng, 12m+3m
- *The Schwarzschild modelling for MaNGA early-type galaxies*, Yunpeng Jin, 12m+3m
- *Gravity tests with latest observations* , Jian Li, 12m+3m
- *Further improving the Fundamental Plane with SDSS data* , Christoph Saulder, 12m+3m
- Discussion, 15m

***eBOSS Team Meeting (I)**

Chair: Kyle Dawson

- DR16 Plans

12:30-2:00 - Group Photo / Lunch Break

Parallel Sessions V (2:00-3:30)

***Galaxy Environments and Components**

Chair: Maria Argudo

- *Hierarchical Assembly of Stellar Envelopes in Galaxy Clusters* , Meng Gu, 12m+3m
- *Environmental Dependence of Galaxy Properties in the Framework of the Cosmic Web*, Ho Seong Hwang, 12m+3m
- *Environment dependence of alpha-to-iron abundance distribution in MaNGA MPL-6 galaxies*, Zheng Zheng, 12m+3m

- *Properties of pseudo-bulges, classical bulges and elliptical galaxies in the Sloan Digital Sky Survey*, Yifei Luo, 12m+3m
- *Untangling galaxy component with MaNGA*, Martha Tabor, 12m+3m
- *The host of blue compact dwarf galaxies in MaNGA*, Mengting Ju, 12m+3m

*Exoplanets and the Physics of Stars

Chair: Chad Bender

- *Kepler-503b*, Caleb Canas, 12m+3m
- *Protoplanetary Disks and Properties of YSOs in Diverse Star Forming Environments in the Orion*, Serena Kim, 12m+3m
- *Asteroseismology and APOGEE*, Marc Pinsonneault, 12m+3m
- *APOKASC-GAIA self-consistency, Round II: Mutually testing scaling relations and parallax systematics with the second data releases of APOKASC and Gaia*, Joel Zinn, 12m+3m
- Discussion, 30m

*eBOSS Team Meeting (II)

Chair: Kyle Dawson

- DR16 Plans (continued, if needed)

Closing Plenary

Chair: Mike Blanton (4:00 - 5:30)

- *Confirming Planets with APOGEE* - Chad Bender (Arizona). 20+5m
- *Rethinking the Distance Scale in the Gaia Era* - Rachael Beaton (Carnegie Observatories) 20+5m
- *Astronomy for All, hosting the 31st IAU General Assembly in Busan* - Hyesung Kang (Pusan National University) 15+5m
- *Collaboration Meeting Summary*, Matt Bershady (SDSS-IV Project Scientist, UWMadison), 15m+5m

Conference Dinner (from 18:30)

Thursday June 21st

Working Groups Day:

- MaNGA Splinter Meeting ([link](#))
- APOGEE Splinter Meeting ([link](#))

Friday June 22nd

Working Groups Day:

- MaNGA Splinter Meeting ([link](#))
- APOGEE Splinter Meeting ([link](#))
- Data Day ([link](#))