https://trac.sdss.org/wiki/Meetings/2018Collab

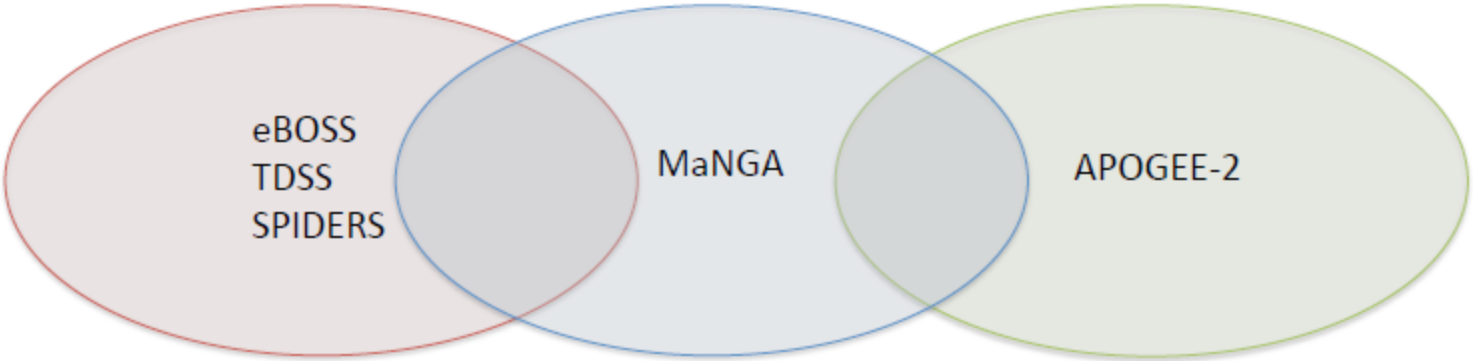
韩国SDSS 总结

居梦婷

27/6/2018

Big-Tent Astrophysics

Plenary sessions



Survey overviews
Structure formation
ELG clustering
Simulations & modeling

MaNGA/MaStar overviews
Galaxy Evolution
Marvin

APOGEE-2 overviews
MW formation
Gravity waves

Chemical evolution

SDSS overviews : : Collaboration : COINS : Data

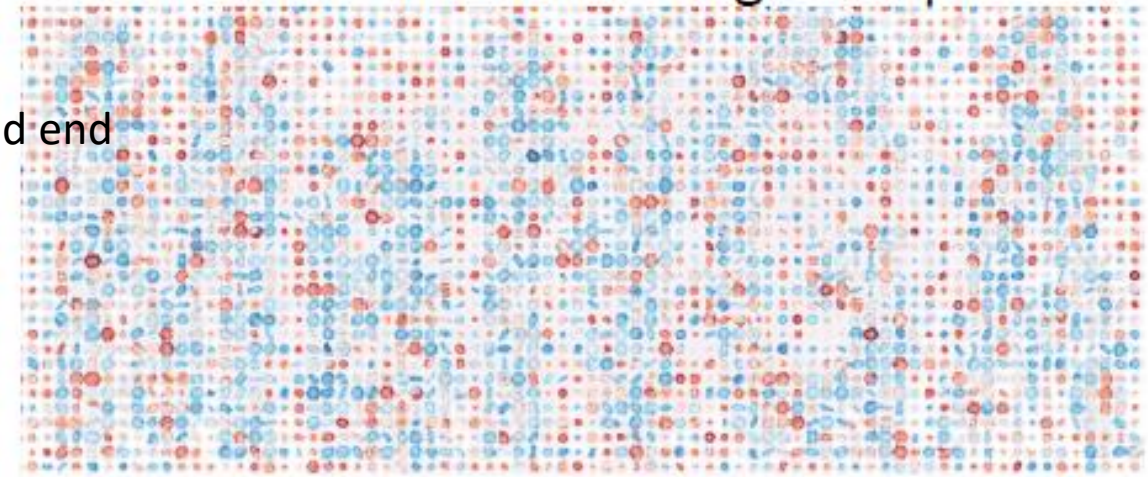
+ lightning talks

MaNGA: when the lights went out

...and then back on again

- Defining distributions of star-forming and emeritus galaxies (Cano-Diaz)
- Studying statistical samples of rare objects: post-starbursts (Chen, Cheng), BCDs (Ju), polar rings (Feng)
  - "MaNGA offers the largest BCD spectra sample to date"
- Understanding galaxy evolutionary paths across an unprecedented range in mass (Fraser-McKelvie) and environment (Argudo, Gu , Hwang, Zheng)
- Mapping rotation curve shape across environment (Chung)
- Establishing the *complete* archaeological record (Ibarra-Medel)

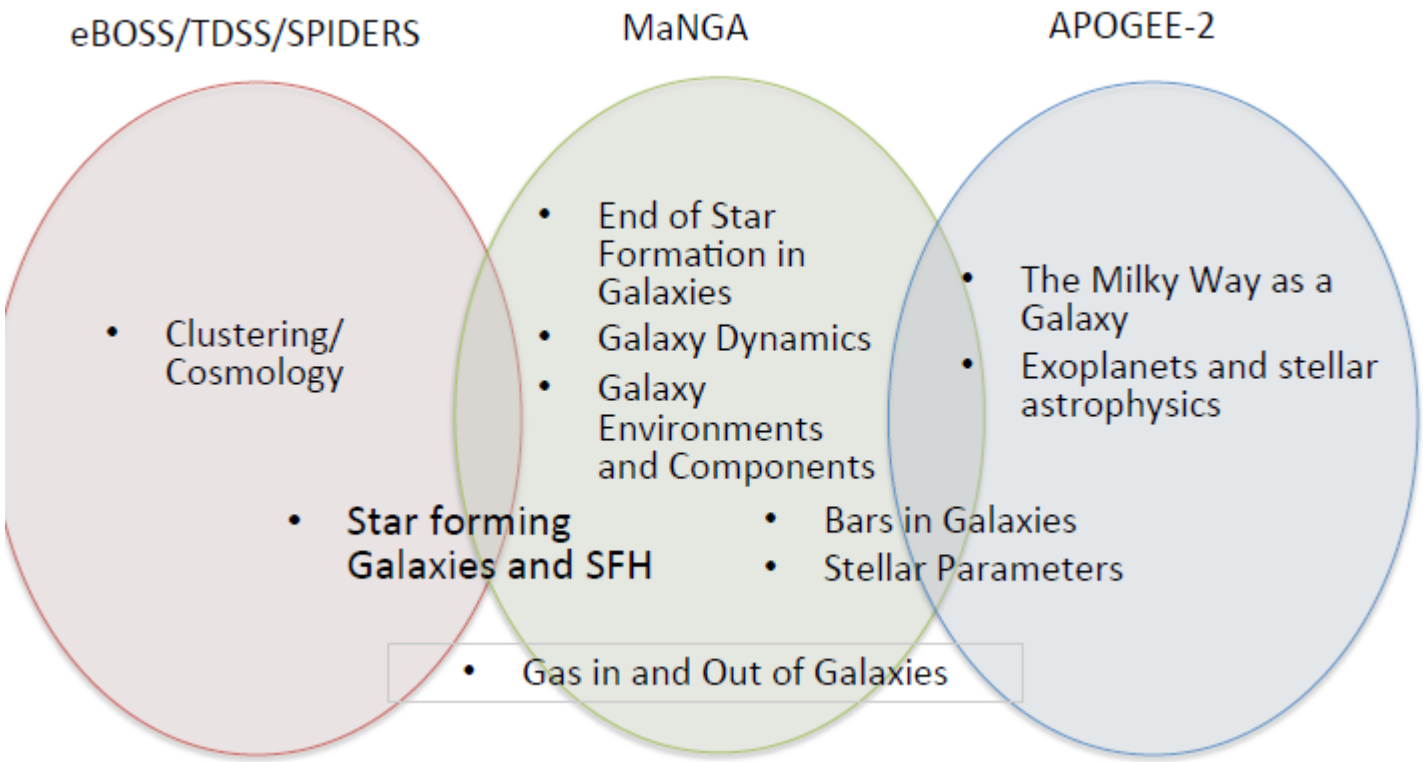
This drives MaNGA's large sample.



D4000

Westfall

Star formation and end
特殊源
质量和环境
旋转曲线



- Bars in Galaxies
  - Lee, Guo, Zou, Zhou, Stark
- Galaxy Dynamics
  - Chung, Feng, Jin, Li, Saulder
- Galaxy Environments and Components
  - Gu, Seong Hwang, Zheng, Luo, Tabor, Ju

Bars

1. *Bar Fraction in Early- and Late-type Spirals* , Yun Hee Lee,
2. *A Bar pattern speeds and centre dark matter fractions of MaNGA barred galaxies* , Rui Guo,

3. Measuring the Bar Pattern Speed of MaNGA Galaxies from Stellar and H alpha Kinematics, Yanfei Zou,

4. Stellar kinematic signatures and the cold high-velocity peaks of the Milky Way bar/bulge, Yingying Zhou

5. Characterizing Galaxy Velocity Fields Using the Radon Transform , David Stark

2，3. Bar的角速度
4. 高速星（apogee）
5. 新的工具去表征非圆星系的速度场

Dynamics

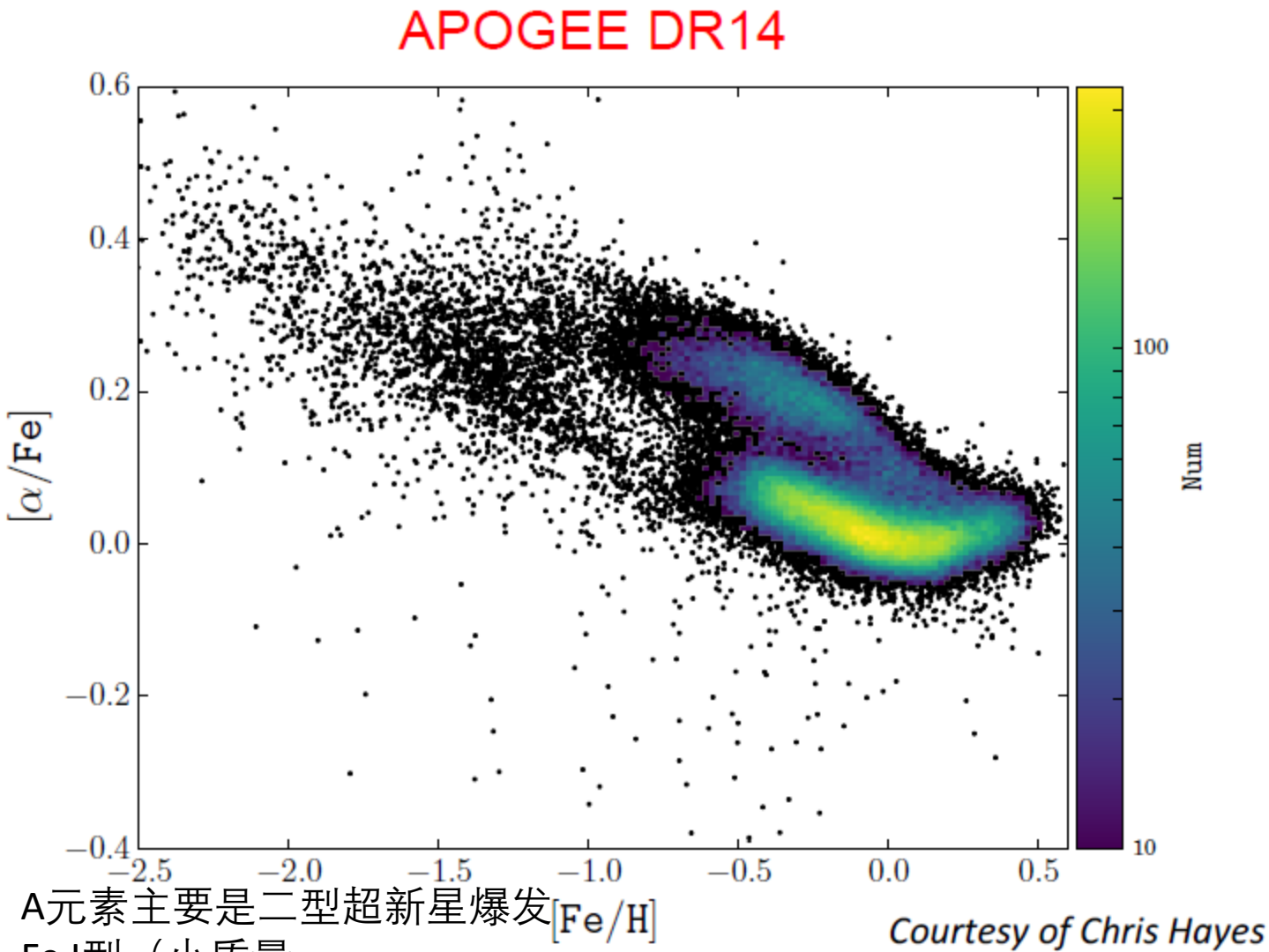
- *Rotation Curves of SDSS-IV MaNGA Galaxies and their Mass and Environmental Dependence* , Haeun Chung
- *Polar Ring Galaxy in MaNGA* , Shuai Feng
- *The Schwarzschild modelling for MaNGA early-type galaxies* , Yunpeng Jin
- *Gravity tests with latest observations* , Jian Li
- *Further improving the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

Environment and component

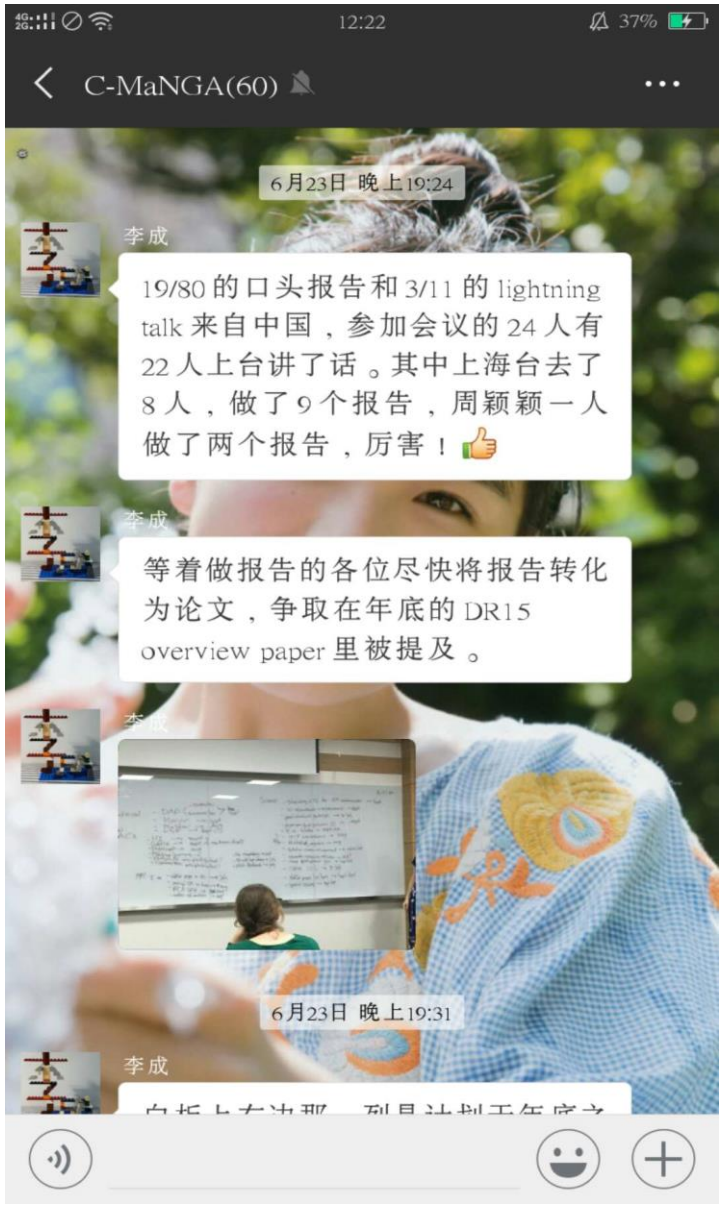
1. Hierarchical Assembly of Stellar Envelopes in Galaxy Clusters , Meng Gu,
2. Environmental Dependence of Galaxy Properties in the Framework of the Cosmic Web, Ho Seong Hwang
3. Environment dependence of alpha-to-iron abundance distribution in MaNGA MPL-6 galaxies, Zheng Zheng,
4.Properties of pseudo-bulges, classical bulges and elliptical galaxies in the Sloan Digital Sky Survey, Yifei Luo
5. Untangling galaxy component with MaNGA , Martha Tabor,
6. The host of blue compact dwarf galaxies in MaNGA , Mengting Ju

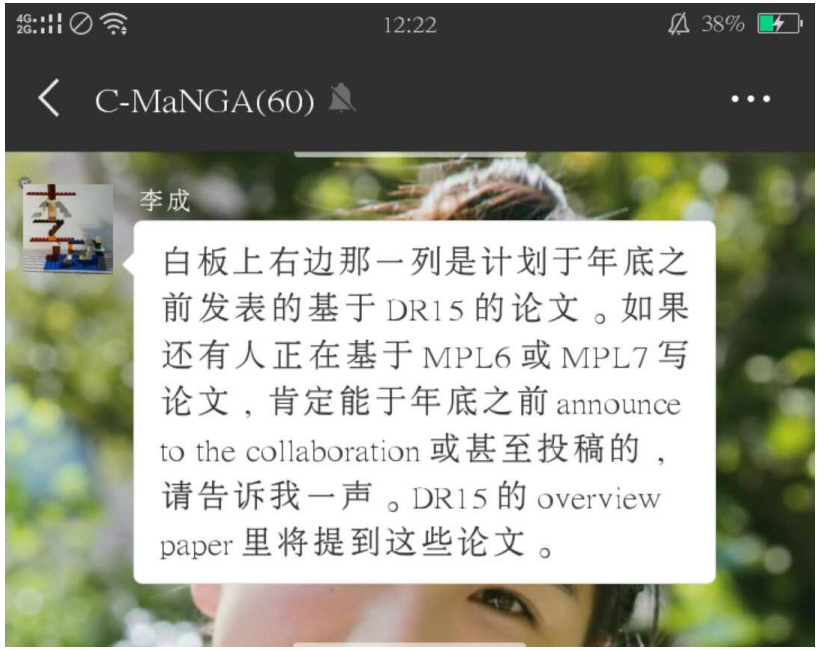
1. 星系团中Stellar Envelopes（已发表arXiv 1805.04520）星系团间光度，（年龄和金属）
2.星系性质-形态，sfr，颜色，质量与simulation比较 结论是各项异性的环境对星系性质影响重大
3.[α/Fe]分布和环境影响，结论是
Mgb/<Fe> - **σ*** relation (especially for old population) is correlated with
Environment
Mgb/<Fe> gradients depend on vd and also weakly on environment/
formation history

4.经典核球和伪核球性质
5.Bulges and disk
6.我的工作



A元素主要是二型超新星爆发
Fe I型（小质量


12:22
37%
C-MaNGA(60)
6月23日 晚上19:24
李成
19/80的口头报告和3/11的lightning talk来自中国，参加会议的24人有22人上台讲了话。其中上海台去了8人，做了9个报告，周颖颖一人做了两个报告，厉害！
李成
等着做报告的各位尽快将报告转化为论文，争取在年底的DR15 overview paper里被提及。
李成
6月23日 晚上19:31
李成


12:22
38%
C-MaNGA(60)
李成
白板上右边那一列是计划于年底之前发表的基于DR15的论文。如果还有人正在基于MPL6或MPL7写论文，肯定能于年底之前announce to the collaboration或甚至投稿的，请告诉我一声。DR15的overview paper里将提到这些论文。

List of DR15 papers to be led by C-MaNGA:

1.alpha-abundance + environment (Zheng Zheng, Sept.)

2.central and ring-like post-starburst galaxies (Yanmei Chen, 31 July)

self-similar SFH in post-starburst galaxies (Zhuo Cheng, Sept)

4. Halpha blobs (Xihan Ji, Sept)

5. IMF variation inferred by Bayesian analysis (Shuang Zhou, Aug)

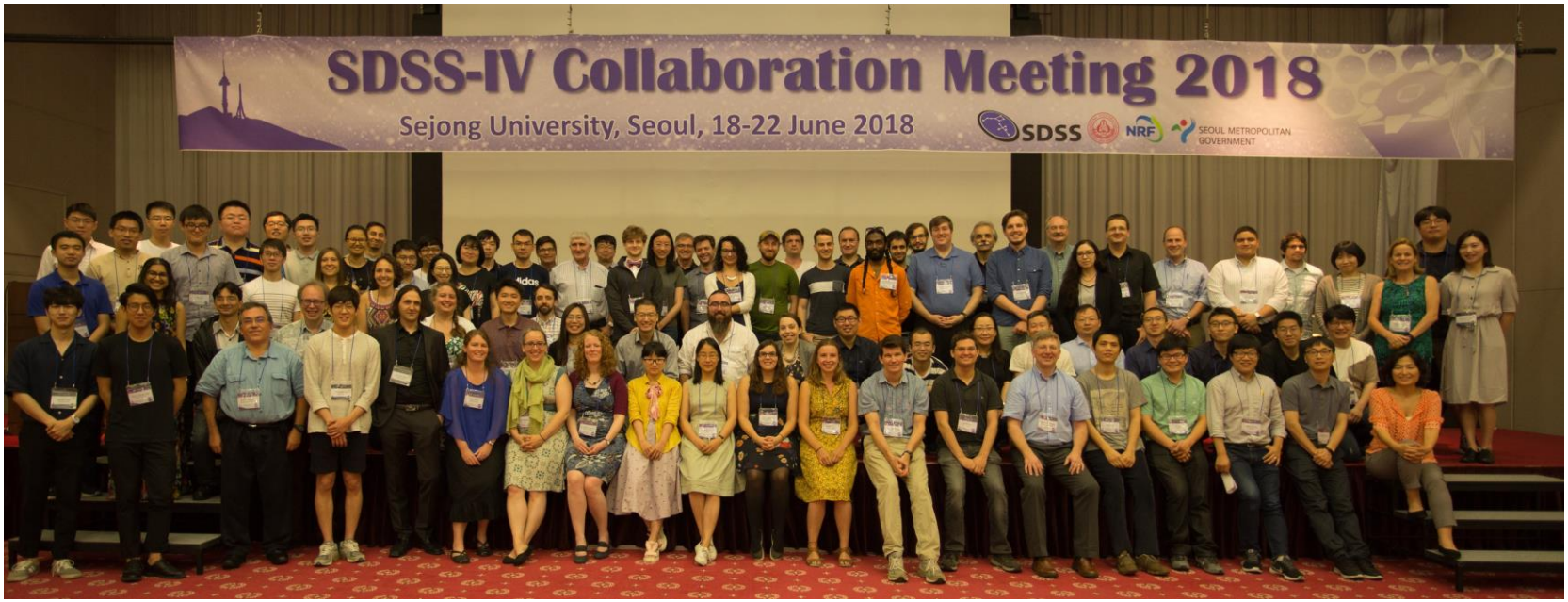
6. Central star formation driven by bars (Lin Lin, currently based on MPL5)
7. Star formation in AGN host galaxies(Longji Bing et al., July)
8. Changing-look AGN and their host galaxy properties(XiaolingYu et al.,August)
9. An early-type galaxy with an inner star-forming disk(Songlin Li et al., June)10.

日常


The host of blue compact
dwarf galaxies in
MaNGA

合照没找到


SDSS-IV Collaborati
Sejong University, Seoul, 18-22 June


SDSS-IV Collaboration Meeting 2018
Sejong University, Seoul, 18-22 June 2018
SDSS
NRF
SEOUL METROPOLITAN GOVERNMENT