

## 陈燕梅

1982年11月出生

南京大学天文与空间科学学院

email: [chenym@nju.edu.cn](mailto:chenym@nju.edu.cn)

### 教育经历：

2000.09-2004.07: 南京师范大学，物理科学与技术学院，学士学位

2004.09-2009.03: 中科院高能物理研究所，理学博士学位

### 工作经历：

2009.03-2010.03: 德国马普天体物理研究所，博士后

2010.03-2017.12: 南京大学天文与空间科学学院，副教授

2010.06-2012.01: 美国威斯康辛大学-麦迪逊分校天文系，访问学者

2018.12-2019.09: 英国圣安特鲁斯大学物理天文学院，访问学者

2017.12- 南京大学天文与空间科学学院，教授，博导

### 科研基金项目：

国家自然科学基金青年项目，11003007，恒星及黑洞驱动的星系外流研究，2011.01-2013.12，23万元，结题，主持

国家自然科学基金面上项目，11573012，多温度成分星系尺度气体外流的研究，2016.01-2019.12，84万元，在研，主持

国家自然科学基金重点项目，11133001，正常星系中恒星形成与 X 射线演化的研究，2012.01-2016.12，65 万元，结题，参与（骨干成员）

国家自然科学基金重点项目, 11733002, 近邻星系中恒星形成的研究, 2018.1-2022.12, 60 万元, 在研, 参与 (骨干成员)

国家重点研发项目, 2017YFA0402704, 星际介质、恒星形成和恒星形成定律, 2017.07-2022.06, 57 万元, 在研, 参与 (骨干成员)

国家自然科学基金优秀青年项目, 11922302, 星系的形成和演化, 2020.01.01-2022.12.31, 120 万元, 在研, 主持

## 发表文章列表 :

### 第一作者/通讯作者论文

(14) Chen, Y.-M. et al., 2019, MNRAS, 489, 5709, *Post-starburst galaxies in SDSS-IV MaNGA*

(13) Bao, M., Chen, Y.-M.\*, et al., 2019, MNRAS, 490, 3830, *Discovery of an edge-on galaxy with X-shaped bi-cone - SDSS J171359.00+333625.5*

(12) Chen, Y. Y., Chen Y. M.\*, Gu, Q. S., Shi, Y., Bing, L. J., Yu, X. L., 2019, RAA, 19, 81, *The morphology, kinematics and metallicity of blue-core galaxies*

(11) Li, S.-L., Shi, Y.\*, **Chen, Y.-M.\*** et al., 2018, MNRAS, 480, 5175  
*An early-type galaxy with an inner star-forming disc*

(10) Jin Y.-F., **Chen Y.-M.\***, Shi Y. et al., 2016, MNRAS, 463, 913  
*SDSS-IV MaNGA: properties of galaxies with kinematically decoupled stellar and gaseous components*

(9) **Chen Y.-M.\***, Shi Y. et al., 2016, Nature communications, 7, 13269  
*The growth of the central region by acquisition of counterrotating gas in star-forming galaxies*

(8) **Chen Y.-M.\***, Gu Q.-S., Tremonti C.-A., Shi Y., Jin Y.-F., 2016, MNRAS, 459, 3861  
*Boxy H $\alpha$  emission profiles in star-forming galaxies*

(7) **Chen Y.-M.\*** et al., 2013, MNRAS, 429, 2643  
*Evolution of the most massive galaxies to  $z \sim 0.6$  - II. The link between radio AGN activity and star formation*

(6) **Chen Y.-M.\***, Kauffmann G., Tremonti C., White S., Heckman T., et al., 2012, MNRAS  
*Evolution of the most massive galaxies to  $z = 0.6$  - I. A new method for physical parameter estimation*

(5) **Chen Y.-M.\***, Tremonti C., Heckman T., et al., 2010, AJ, 140, 445  
*Absorption-line Probes of the Prevalence and Properties of Outflows in Present-day Star-forming Galaxies*

(4) **Chen Y.-M.\***, Wild V., Kauffmann G., Blaizot J., Davis M., et al., 2009, MNRAS, 393, 406  
*Constraints on the star formation histories of galaxies from  $z \sim 1$  to  $z \sim 0$*

(3) Peng, Z. X., **Chen, Y. M.\*** et al. 2014, RAA, 14, 913  
*The broad wing of the [O III]  $\lambda$ 5007 emission line in active galactic nuclei*

(2) Peng, Z. X., **Chen, Y. M.\*** et al. 2011, RAA, 11, 411  
*Quasar SDSS J142507.32+323137.4: dual AGNs?*

(1) **Chen Y.-M.\***, Wang J.-M., Yan C.-S., Hu C., Zhang S., 2009, ApJ, 695, L130  
*The starburst-AGN connection: roles of young stellar populations in fueling supermassive black holes*

## 其他论文

(46) Shi, Y., Wang, J. Z., Zhang, Z. Y., Zhang, Q. Z., Gao, Yu; Zhou, L. W. J., Gu, Q. S., Qiu, K. P., Xia, XX. Y., Hao, C. N., 2020, ApJ, 892, 147, *Oversized Gas Clumps in an Extremely Metal-poor Molecular Cloud Revealed by ALMA's Parsec-scale Maps*

(45) Li, S. L., Shi, Y.\* , Bizyaev D., Duchworth, C., Yan, R. B., Chen, Y. M. et al., 2020, MNRAS, submitted. *The Impact of Merging on The Origin of Kinematically Misaligned and Counter-rotating Galaxies in MaNGA*

(44) Pace, Z., Tremonti, C., Chen, Y.-M. et al., ApJ, 883, 83, *Resolved and Integrated Stellar Masses in the SDSS-IV/MaNGA Survey. II. Applications of PCA-based Stellar Mass Estimates*

(43) Pace, Z., Tremonti, C., Chen, Y.-M. et al., ApJ, 883, 82, *Resolved and Integrated Stellar Masses in the SDSS-IV/MaNGA Survey. I. PCA Spectral Fitting and Stellar Mass-to-light Ratio Estimates*

(42) Chen J.-H. et al (Chen Y. -M. 5<sup>th</sup> author), 2019, MNRAS, 489, 855, *The spatial extension of extended narrow line regions in MaNGA AGN*

(41) Hao, C. N., Shi, Y., Chen, Y.-M. et al., 2019, ApJ, 883, 36, *Spatially Resolved Studies of Local Massive Red Spiral Galaxies*

(40) Yu, X.-L., Shi, Y., Chen. Y.-M. et al., 2019, MNRAS, 486,4463, *What drives the velocity dispersion of ionized gas in star-forming galaxies?*

(39) Bizyaev, D., Chen Y.-M. et al., 2019, ApJ, 882, 145, *SDSS IV MaNGA: Star-formation-driven Biconical Outflows in the Local Universe*

(38) Bing, L. J. et al. (Chen. Y.-M. 5<sup>th</sup> author), 2018, MNRAS, 480, 5175  
*Mildly Suppressed Star Formation in Central Regions of MaNGA Seyfert Galaxies*

- (37) Wei, P. et al. (Chen Y. -M. 5<sup>th</sup> author), 2018, ApJ, 857, 27  
*A Catalog of Post-starburst Quasars from Sloan Digital Sky Survey Data Release 7*
- (36) Shi, Y. et al. (Chen Y.-M. 10<sup>th</sup> author), 2018, ApJ, 853, 149  
*Revisiting the Extended Schmidt Law: The Important Role of Existing Stars in Regulating Star Formation*
- (35) Chisholm, J. et al. (Chen Y. -M. 4<sup>th</sup> author), 2017, MNRAS, 469, 4831  
*The mass and momentum outflow rates of photoionized galactic outflows*
- (34) Chisholm, J. et al. (Chen Y. -M. 4<sup>th</sup> author), 2016, MNRAS, 463, 541  
*A robust measurement of the mass outflow rate of the galactic outflow from NGC 6090*
- (33) Chisholm, J. et al. (Chen Y. -M. 4<sup>th</sup> author), 2016, MNRAS, 457, 3133  
*Shining a light on galactic outflows: photoionized outflows*
- (32) Johansson, J. et al. (Chen Y. -M. 5<sup>th</sup> author), 2016, MNRAS, 461, 4505  
*Diffuse gas in retired galaxies: nebular emission templates and constraints on the sources of ionization*
- (31) Law, D.-R. et al. (Chen Y. -M. 12<sup>th</sup> author) , 2016, AJ, 152, 83  
*The Data Reduction Pipeline for the SDSS-IV MaNGA IFU Galaxy Survey*, 2016, AJ, 152, 83
- (30) Cheung, E. et al., (Chen Y. -M. 20<sup>th</sup> author), 2016, nature, 533, 504  
*Suppressing star formation in quiescent galaxies with supermassive black hole winds*
- (29) Chen Z.-F. et al (Chen Y. -M. 4<sup>th</sup> author), 2016, MNRAS, 462, 2980  
*Narrow C IV absorption doublets on quasar spectra of the Baryon Oscillation Spectroscopic Survey*
- (28) Xiao M.-Y. et al. (Chen Y. -M. 3<sup>th</sup> author), 2016, ApJ, 831, 63  
*The Nuclear Activities of Nearby S0 Galaxies*
- (27) Chisholm J. et al. (Chen Y.-M. 4<sup>th</sup> author), 2015, ApJ, 811, 149  
*Scaling Relations Between Warm Galactic Outflows and Their Host Galaxies*
- (26) Chen Z.-F. et al. (Chen Y.-M. 3<sup>th</sup> author), 2015, ApJS, 221, 32  
*Catalog of Narrow Mg II Absorption Lines in the Baryon Oscillation Spectroscopic Survey*
- (25) Chen Z.-F. et al. (Chen Y.-M. 3<sup>th</sup> author), 2015, 450, 3904  
*Catalog of Narrow Mg II Absorption Lines in the Baryon Oscillation Spectroscopic Survey*
- (24) Johansson J. et al. (Chen Y.-M. 5<sup>th</sup> author), 2014, MNRAS, 442, 1079  
*Diffuse gas in galaxies sheds new light on the origin of Type Ia supernovae*
- (23) Maraston, et al. (Chen Y.-M. 25<sup>th</sup> author), 2013, MNRAS, 435, 2764

*Stellar masses of SDSS-III/BOSS galaxies at  $z \sim 0.5$  and constraints to galaxy formation models*

(22) Guo H. et al. (Chen Y.-M. 7<sup>th</sup> author), 2013, ApJ, 767, 122  
*The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: Luminosity and Color Dependence and Redshift Evolution*

(21) Huang M.-L. et al. (Chen Y.-M. 3<sup>th</sup> author), 2013, MNRAS, 431, 2622  
*Spatially-resolved star formation histories of nearby galaxies: evidence for episodic star formation in disks*

(20) Dawson, K. S. et al. (Chen Y.-M. 29<sup>th</sup> author), 2013, AJ, 145, 10  
*The Baryon Oscillation Spectroscopic Survey of SDSS-III*

(19) Ahn, C.-P. et al. (Chen Y.-M. 34<sup>th</sup> author), 2012, ApJS, 203, 21  
*The Ninth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-III Baryon Oscillation Spectroscopic Survey*

(18) Bolton, A.-S. et al. (Chen Y.-M. 8<sup>th</sup> author), 2012, AJ, 144, 144  
*Spectral Classification and Redshift Measurement for the SDSS-III Baryon Oscillation Spectroscopic Survey*

(17) Li C. et al. (Chen Y.-M. 3<sup>th</sup> author), 2012, MNRAS, 419, 1557  
*Autocorrelations of stellar light and mass at  $z \sim 0$  and  $z \sim 1$ : from SDSS to DEEP2,*

(16) Eisenstein, D.-J. et al. (Chen Y.-M. 34<sup>th</sup> author), 2011, AJ, 142, 72  
*SDSS-III: Massive Spectroscopic Surveys of the Distant Universe, the Milky Way, and Extra-Solar Planetary Systems*

(15) Aihara, H. et al. (Chen Y.-M. 22<sup>th</sup> author), 2011, ApJS, 193, 29  
*The Eighth Data Release of the Sloan Digital Sky Survey: First Data from SDSS-III*

(14) Moran S. et al. (Chen Y.-M. 8<sup>th</sup> author), 2010, ApJ, 720, 1126  
*UGC8802: A Massive Disk Galaxy in Formation*

(13) Wang J.-M. et al. (Chen Y.-M. 2<sup>th</sup> author), 2009, ApJ, 705, L76  
*Active Galactic Nuclei with Double-Peaked Narrow Lines: Are they Dual Active Galactic Nuclei?*

(12) Wang J.-M. et al. (Chen Y.-M. 4<sup>th</sup> author), 2009, ApJ, 701, L7  
*Evolution of Gaseous Disk Viscosity Driven by Supernova Explosions in Star-Forming Galaxies at High Redshift*

(11) Wang J.-M. et al. (Chen Y.-M. 4<sup>th</sup> author), 2009, ApJ, 697, L141  
*Episodic Random Accretion and the Cosmological Evolution of Supermassive Black Hole Spins*

(10) Wang J.-M. et al. (Chen Y.-M. 2<sup>th</sup> author), 2008, ApJ, 673, L9

*Early Growth of Massive Black Holes in Quasars*

- (9) Bian W.-H. et al. (Chen Y.-M. 2<sup>th</sup> author), 2008, ChJA&A, 8, 522  
*The radio luminosity, black hole mass and Eddington ratio for quasars from the Sloan Digital Sky Survey*
- (8) Hu C. et al. (Chen Y.-M. 4<sup>th</sup> author), 2008, ApJ, 687, 78  
*A Systematic Analysis of Fe II Emission in Quasars: Evidence for Inflow to the Central Black Hole*
- (7) Hu C. et al. (Chen Y.-M. 4<sup>th</sup> author), 2008, ApJ, 683, L115  
*H $\beta$  Profiles in Quasars: Evidence for an Intermediate-Line Region*
- (6) Wang J.-M. et al. (Chen Y.-M. 2<sup>th</sup> author), 2007, ApJ, 661, L143  
*Suppressed Star Formation in Circumnuclear Regions in Seyfert Galaxies*
- (5) Bian W.-H. et al. (Chen Y.-M. 2<sup>th</sup> author), 2007, ApJ, 668, 721  
*Active Galactic Nuclei with Double-Peaked Balmer Lines. I. Black Hole Masses and Eddington Ratios*
- (4) Yang F. et al. (Chen Y.-M. 3<sup>th</sup> author), 2007, ChJA&A, 7, 353  
*Disk-Corona Model in Active Galactic Nuclei: an Observational Test*
- (3) Wang J.-M. et al. (Chen Y.-M. 2<sup>th</sup> author), 2006, ApJ, 647, L17  
*Cosmological Evolution of the Duty Cycle of Quasars*
- (2) Wang J.-M. et al. (Chen Y.-M. 2<sup>th</sup> author), 2006, ApJ, 642, L111  
*Evidence for Rapidly Spinning Black Holes in Quasars*
- (1) Wang J.-M. et al. (Chen Y.-M. 2<sup>th</sup> author), 2006, ApJ, 637, L85  
*Feedback Limits Rapid Growth of Seed Black Holes at High Redshift*