# Rui LUO

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#### **EDUCATION**

Peking University

Department of Astronomy, School of Physics

Department of Physics

Doctor of Philosophy, Astrophysics

Dissertation: Measurement of the luminosity function of Fast Radio Bursts

Advisor: Prof. Kejia Lee (KIAA-PKU)

## Huazhong University of Science and Technology

Sep 2009 - Jun 2013

School of Physics

Bachelor of Science, Applied Physics

#### **EMPLOYMENT**

## **CSIRO** Space and Astronomy

Aug 2019 – present

Australia Telescope National Facility

Research Plus Postdoctoral Fellow

Supervisor: Dr. George Hobbs (CSIRO-ATNF)

## RESEARCH INTERESTS

Radio Astronomy: Fast Radio Bursts, Pulsars, Radio Frequency Interference, the unknown unknowns

Statistics: Bayesian inference, Markov Chain Monte Carlo

Machine Learning: Convolutional Neural Network, Out-of-Distribution detection

#### AWARDS AND HONOURS

Ranking No.1, Top 10 Research Progresses, Chinese Astronomy (Team Award)	2020
Vela Prize for oral presentations, FAST/Future Pulsar Symposium 8	2019
Kwang-Hua Scholarship, Peking University	2016
Second Prize of Chen Hu-Xiong Scholarship, Peking University	2015
Annual Scholarship, National Astronomical Observatories, Chinese Academy of Sciences	2013

## **OBSERVING EXPERIENCE**

	Five-	hundre	$\operatorname{ed-mete}$	r Aper	ture Sp	herical	radio	Teles	cope
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PI: Monitoring a short gamma-ray burst with possible radio transient, 9 hours	2022
PI: Observing the candidate repeating sources from the CHIME/FRB Catalog, 6 hours	2022
PI: Searching for fast radio transients from short gamma-ray bursts, 9 hours	2021
PI: Monitoring the repeating FRB candidates, 12 hours	2019
Instrumentation: Configuring ROACH2 and monitoring the real-time bandpass	Apr 2016

## Parkes 64-m radio telescope (Murriyang)

PI: Observing a candidate repeating FRB source with the Parkes UWL, 16 hours	2022OCTS
PI: Searching for fast radio bursts from short gamma-ray bursts, 22 hours	2021OCTS
PI: Observing the repeating FRB 180301 with the Parkes UWL, 32.5 hours	2020OCTS
PI: Monitoring the repeating FRB candidates in the Southern Sky, 16 hours	2020 APRS
Contributions: Parkes Pulsar Timing Array, 120+ hours	2020-present

Kunming 40-m radio telescope   Instrumentation: Installing the FIB backend and configuring its searching software   Instrumentation: Calibration for two polarization channels from the feed   Oct 2014	Australia Telescope Compact Array  Di. Observing Cil. Vincinia at 16cm avandonath acing the Cross Time 0 bours	2019OCTS
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PKU-XAO Bilateral Meeting, Urumqi, China Jun 2016		
Chinese Astronomical Society Annual Meeting 2015, Beijing, China Oct 2015		
QTT Colloquium Series 2015, Ming'antu, China  Jul 2015		
KIAA-SHAO Bilateral Workshop, Beijing, China May 2015		

Australia Telescope Compact Array

## STUDENT MENTORING

•	<b>an</b> : Co-advised. Joint-PhD student at MQ Uni. and CSIRO Search for Fast Radio Bursts in the Parkes Baades' Window Su	$2021-{ m present}$
_	Co-advised. PhD at NJUST, now a lecturer at GZNU Observing on pulsed variable stars with radio telescopes	2020 - 2021
_	o-advised. PhD at PKU, now a postdoc at NAOC Fast Radio Bursts modelling and polarization	2019 - 2020
	Co-advised. PhD at UCAS, now a postdoc at PKU Theoretical studies on Fast Radio Bursts	2017 - 2020
EACHING AND	OUTREACH	
	e Mysteries: A public Chinese science documentary series de 4 Season 2: Fast Radio Bursts	2022
	<b>conomy</b> : A Chinese special column for public sciences or fast radio bursts with the FAST telescope (Chinese)	Nov 2020
dio telescope to obs	An educational program for high-school students to use the serve pulsars in the National Youth Science Forum	CSIRO Parkes ra- 2019 – present Jan 2022
	YSICS, School of Earth and Space Sciences, Peking University SICS, School of Physics, Peking University	2017 2015
ROFESSIONAL S	SERVICE	
Journal Referee Monthly Notices of The Astrophysical	the Royal Astronomical Society  Journal	2021 – present 2021 – present
Proposal Review	er	
Call for FAST Scie	ence Observing Proposals ence Observing Proposals	2022 2021
UTIES AND SUF	PPORT	
Commissioning the Updates on the AT The CSIRO-ATNF The ATCA Duty A	Co-learnia: Main chair astronomer: On duty for every semester	Oct 2021 2021 – present 2020 – present 2019 – 2021 2019 – present
	Pulsar Timing Array Meeting: Served as LOC member	May 2017
Programming Softwares Tools	PYTHON (Proficient), C, C++, UNIX MATLAB, MATHEMATICA, PRESTO, TEMPO2, PSRCHIVE, M GIT, LATEX, WIKI, HTML	ULTINEST

CODES DEVELOPMENT

- SIMULATESEARCH: A software for simulating high-time resolution radio data.
- BayesWeib: A Python package for calculating the repeating burst rate under the Weibull distribution.
- FRBLFERD: A Bayesian code for inferring the event rate density of FRB luminosity function.
- FRBNORMLF: An FRB mock data simulator and a Bayesian code to measure the normalized FRB luminosity function.
- DMHOST: A package of Monte Carlo simulations on the dispersion measure of FRB host galaxies in the nearby universe.

## **LANGUAGES**

Chinese NativeEnglish FluentJapanese Elementary

#### REFERENCES

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#### Bing Zhang

Distinguished Professor

Department of Physics and Astronomy, University of Nevada, Las Vegas MPE-A 129, UNLV, Las Vegas, NV 89154, USA

Tel: +1702-895-3170

Email: zhang@physics.unlv.edu

Summary: 4 first-author papers, including one article published in Nature. 11 leading-author papers, 26 publications in total.

Citations: 632 (354 from leading-author papers); H-index: 12 (as of Sep 2022).

(Notes: \* - corresponding author, † - student co-advised)

## First/Corresponding-author papers:

- 4. Luo, R.\*, Hobbs, G.\*, Yong, S. Y., Zic, A., Tommey, L., Dai, S., Dunning, A., Li, D., Marshman, T., Wang, C., Wang, P., Wang, S. Q., & Zhang, S. B., Simulating high-time resolution radiotelescope observations, 2022, MNRAS, 513, 5881
- 3. Luo, R., Wang, B. J., Men, Y. P., Zhang, C. F., Jiang, J. C., Xu, H., Wang, W. Y., Lee, K. J.\*, Han, J. L.\*, Zhang, B.\*, et al., Diverse polarization angle swings from a repeating fast radio burst source, 2020, Nature, 586, 693
- 2. Luo, R.\*, Men, Y. P., Lee, K. J\*., Wang, W. Y., Lorimer, D. R., & Zhang, B., On the FRB luminosity function II. Event rate density, 2020, MNRAS, 494, 665
- 1. Luo, R.\*, Lee, K. J.\*, Lorimer, D. R., & Zhang, B., On the normalized FRB luminosity function, 2018, MNRAS, 481, 2320

## Second/Third-author papers:

- 7. Niu, C.-H., Li, D., **Luo**, **R.**, Wang, W.-Y., Yao, J., Zhang, B., Zhu, W.-W., Wang, P., Ye, H., Niu, J.-R., et al., *CRAFTS for Fast Radio Bursts: Extending the dispersion-fluence relation with new FRBs detected by FAST*, 2021, ApJ, 909, L8
- Zhu, W., Li, D., Luo, R., Miao, C., Zhang, B., Spitler, L., Lorimer, D.; Kramer, M., Champion, D., Yue, Y., Cameron, A., Cruces, M., Duan, R., Feng, Y., Han, J., Hobbs, G., Niu, C., et al., A Fast Radio Burst discovered in FAST drift scan survey, 2020, ApJ, 895, L6
- 5. Jiang, J. C.<sup>†</sup>, Wang, W. Y., **Luo, R.**, Du, S., Chen, X. L., Lee, K. J., & Xu, R. X., FRB 171019: An event of binary neutron star merger?, 2020, RAA, 20, 56
- 4. Men, Y. P., **Luo, R.**, Chen, M. Z., Hao, L. F., Lee K. J., Li, J., Li Z. X., Liu, Z. Y., Pei, X., Wen, Z. G., Wu, J. J., Xu, Y. H., Xu, R. X., Yuan, J. P., & Zhang, C. F., *Piggyback searching for fast radio bursts using Nanshan 26m and Kunming 40m radio telescopes I. Observing and data analysis systems, discovery of a mysterious peryton, 2019, MNRAS, 488, 3957*
- 3. Yi, S.-X., Cheng, K. S., & Luo, R., Clumpy jets from black hole-massive star binaries as engines of Fast Radio Bursts, 2019, MNRAS, 483, 4197
- 2. Wang, W. Y.<sup>†</sup>, **Luo R.**, Yue, H., Chen, X. L., Lee, K. J., & Xu, R. X., FRB 121102: A Starquake-induced Repeater?, 2018, ApJ, 852, 140
- 1. Yang, Y.-P., **Luo**, **R.**, Li, Z., & Zhang, B., Large Host-galaxy Dispersion Measure of Fast Radio Bursts, 2017, ApJ, 839, L25

## Other co-author papers:

- 15. Niu, J.-R., Zhu, W.-W., Zhang, B., Yuan, M., Zhou, D.-J., Zhang, Y.-K., Jiang, J.-C., Han, J. L., Li, D., Lee, K.-J., Wang, P., Feng, Y., Li, D.-Z., **Luo, R.**, Wang, F.-Y., Dai, Z.-G., Miao, C.-C., Niu, C.-H., et al., *FAST observations of an extremely active episode of FRB 20211124A: IV. Spin Period Search*, 2022, RAA, accepted
- 14. Jiang, J.-C, Wang, W.-Y., Xu, H., Xu, J.-W., Zhang, C.-F., Wang, B.-J., Zhou, D.-J., Zhang, Y.-K., Niu, J.-R., Lee, K.-J., Zhang, B., Han, J.-L., Li, D., Zhu, W.-W., Dai, Z.-D., Feng, Y.,

- Jing, W.-C., Li, D.-Z., **Luo, R.**, et al., FAST observations of an extremely active episode of FRB 20211124A: III. Polarimetry, 2022, RAA, accepted
- Zhang, Y.-K., Wang, P., Feng, Y., Zhang, B., Li, D., Tsai, C.-W., Niu, C.-H., Luo, R., Yao, J.-M., Zhu, W.-W., Han, J. L., Lee, K.-J., Zhou, D.-J., Niu, J.-R., Jiang, J.-C., Wang, W.-Y., Zhang, C.-F., Xu, H., Wang, B.-J., Xu, J.-W., FAST observations of an extremely active episode of FRB 20211124A: II. Energy Distribution, 2022, RAA, accepted
- 12. Zhou, D. J., Han, J. L., Zhang, B., Lee, K. J., Zhu, W. W., Li, D., Jing, W. C., Wang, W.-Y., Zhang, Y. K., Jiang, J. C., Niu, J. R., Luo, R., Xu, H., Zhang, C. F., Wang, B. J., Xu, J. W., Wang, P., Yang, Z. L., Feng, Y., FAST observations of an extremely active episode of FRB 20211124A: I. Burst Morphology, 2022, RAA, accepted
- 11. Yong, S. Y., Hobbs, G., Huynh, M. T., Rolland, V., Petersson, L., Norris, R. P., Dai, S., **Luo**, R., Zic, A., SPARKESX: Single-dish PARKES data sets for finding the uneXpected A Data Challenge, 2022, MNRAS, in press
- 10. Xu, H., Niu, J. R., Chen, P., Lee, K. J., Zhu, W. W., Dong, S., Zhang, B., Jiang, J. C., Wang, B. J., Xu, J. W., Zhang, C. F., Fu, H., Filippenko, A. V., Peng, E. W., Zhou, D. J., Zhang, Y. K., Wang, P., Feng, Y., Li, Y., Brink, T. G., Li, D. Z., Lu, W., Yang, Y. P., Caballero, R. N., Cai, C., Chen, M. Z., Dai, Z. G., Djorgovski, S. G., Esamdin, A., Gan, H. Q., Guhathakurta, P., Han, J. L., Hao, L. F., Huang, Y. X., Jiang, P., Li, C. K., Li, D., Li, H., Li, X. Q., Li, Z. X., Liu, Z. Y., Luo, R., et al., A fast radio burst source at a complex magnetised site in a barred galaxy, 2021, Nature, 609, 685
- Niu, C.-H., Aggarwal, K., Li, D., Zhang, X., Chatterjee, S., Tsai, C.-W., Yu, W., Law, C. J., Burke-Spolaor, S., Cordes, J. M., Zhang, Y.-K., Ocker, S., Yao, J.-M., Wang, P., Feng, Y., Niino, Y., Bochenek, C., Cruces, M., Connor, L., Jiang, J.-A., Dai, S., Luo, R., et al., A repeating fast radio burst associated with a persistent radio source, 2022, Nature, 606, 873
- 8. Bhandari, S., Heintz, K. E., Aggarwal, K., Marnoch, L., Day, C. K, Sydnor, J., Burke-Spolaor, S., Law, C. J., Prochaska, J. X, Tejos, N., Bannister, K. W., Butler, B. J., Deller, A. T., Ekers, R. D., Flynn, C., Fong, W.-F., James, C. W., Lazio, T. J. W., Luo, R., et al., Characterizing the FRB host galaxy population and its connection to transients in the local and extragalactic Universe, 2021, AJ, 163, 69
- Yang, X., Zhang, S.-B., Wang, J.-S., Hobbs, G., Sun, T.-R., Manchester, R. N., Geng, J.-J., Russell, C. J., **Luo, R.**, Tang, Z.-F., Wang, C., Wei, J.-J., Staveley-Smith, L., Dai, S., Li, Y., Yang, Y.-Y., & Wu, X.-F., 81 New Candidate Fast Radio Bursts in Parkes Archive, 2021, MNRAS, 507, 3238
- 6. Goncharov, B., Shannon, R. M., Reardon, D. J., Hobbs, G., Zic, A., Bailes, M., Curylo, M., Dai, S., Kerr, M., Lower, M. E., Machester, R. N., Mandow, R., Middleton, H., Miles, M. T., Parthasarathy, A., Thrane, E., Thyagarajan, N., Xue, X., Zhu, X.-J., Cameron, A. D., Feng, Y., Luo, R., et al., On the evidence for a common-spectrum process in the search for the nanohertz gravitational wave background with the Parkes Pulsar Timing Array, 2021, ApJ, 917, L19
- Zhang, C. F., Xu, J. W., Men, Y. P., Deng, X. H., Xu, H., Jiang, J. C., Wang, B. J., Lee, K. J., Li, J., Yuan, J. P., Liu, Z. Y., Huang, Y. X., Xu, Y. H., Li, Z. X., Hao, L. F., Luo, J. T., Dai, S., Luo, R., Zakie, H., & Ma, Z. Y., Fast radio burst detection in the presence of coloured noise, 2021, MNRAS, 503, 5223
- Dai, S., Lu, J. G., Wang, C., Wang, W. Y., Xu, R. X., Yang, Y.-P., Zhang, S.-B., Hobbs, G., Li, D., Luo, R., Filipovic, M., & Jiang, J. C., On the Circular Polarization of Repeating Fast Radio Bursts, 2021, ApJ, 920, 46
- 3. Zhang, S.-B., Hobbs, G., Russell, C. J., Toomey, L., Dai, S., Dempsey, J., Manchester, R. N.,

- Johnston, S., Staveley-Smith, L., Wu, X.-F., Li, D., Yang, Y.-Y., Wang, S.-Q., Qiu, H., **Luo, R.**, Wang, C., Zhang, C., Zhang, L., & Mandow, R., *Parkes transient events: I. Database of single pulses, initial results and missing FRBs*, 2020, ApJS, 249, 14
- Men, Y. P., Aggarwal, K, Li, Y., Palaniswamy, D., Burke-Spolaor, S., Lee, K. J., Luo, R., Demorest, P., Tendulkar, S., Agarwal, D., Young, O., & Zhang, B., Non-detection of fast radio bursts from six gamma-ray burst remnants with a possible magnetar engine, 2019, MNRAS, 489, 3643
- 1. Wang, W. Y., Lu, J. G., Zhang, S. B., Chen, X. L., **Luo, R.**, & Xu, R. X., Pulsar giant pulse: coherent instability near light cylinder, 2019, SCPMA, 62, 979511