

Sheng Yang | Curriculum Vitae

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Work

- **National Institute for Astrophysics** **Padova, Italy**
Postdoc, Observatory of Padova 10/2018 -
- **University of California, Davis** **Davis, CA, US**
Researcher associate, Department of Physics 10/2016 -

Education

Academic Qualifications.....

- **University of Padova** **Padova, Italy**
PhD, Department of Physics and Astronomy Galileo Galilei 10/2015 - 10/2018
- **Beijing Normal University** **Beijing, China**
M.S., Department of Astronomy 09/2012 - 06/2015
- **Central China Normal University** **Wuhan, China**
B.S., Department of Physics 09/2008 - 06/2012

Research Experience.....

- **University of California, Davis** **Davis, CA, US**
Exchange scholar, Department of Physics 10/2016 - 12/2017
Advisor: Stefano Valenti
Topic: Searching EM counterparts of GW signals, in framework of DLT40
- **National Institute for Astrophysics** **Padova, Italy**
PhD candidate, Observatory of Padova 10/2015 - Present
Advisor: Enrico Cappellaro
Topic: Searching EM counterparts of GW signals, in framework of GRAWITA.
- **Chinese Academy of Science** **Beijing, China**
M.S. Thesis, Institute of High Energy Physics 10/2013 - 10/2015
Advisor: ZongHong Zhu/JunQin Xia
Topic: Remove the systematics for large scale structure survey and the improvement of restrictions on Primordial Non-Gaussianity.
- **Central China Normal University** **WuHan, China**
B.S. Thesis, Department of Physics 09/2008 - 06/2012
Advisor: YunWei Yu
Topic: The dynamic evolution of newly born millisecond magnetar wind.

Scholarships and Fundings.....

- **10/2015 - 10/2018:** PhD funding of China Scholarship Council
- **09/2013 - 06/2014:** Hollywood Scholarship
- **09/2012 - 06/2013:** Outstanding Leader Scholarship
- **09/2008 - 06/2012:** National Basic Science Class Scholarship, four times
- **09/2008 - 06/2012:** ShuRen Scholarship, twice

Technical and Personal skills

- **Programming Languages:** Proficient in: Python, Sql, IDL, PHP, Html, Javascript, Bash
Also basic ability with: Fortran, C, Matlab, R, LabView, Julia, Java
- **Operating Systems:** Linux, Mac OS, Windows
- **Softwares:** Iraf/Pyraf, Sextractor, Hotpants, Healpix, Tensorflow, Mathematica
- **Others:** Parallel computing and Machine learning

Scientific Conferences

- Meeting GRAWITA Naples, Italy, 2016 talk
- International Astronomical Union Symposium 338 Baton Rouge, LA, USA, 2017 poster
- GRAvitational-Wave Science&technology Symposium Padova, Italy, 2018 talk
- Gravitational-waves, ElectroMagnetic and dark MATter Physics workshop Lecce, Italy, 2018 talk

Publications

Refereed Articles.....

- Abbott, B. P.; Abbott, R.; Abbott, T. D.; ...; **Yang, S.**; et al, Localization and Broadband Follow-up of the Gravitational-wave Transient GW150914, 2016, APJL, 826: L13
- Abbott, B. P.; Abbott, R.; Abbott, T. D.; ...; **Yang, S.**; et al, Supplement: Localization and broadband follow-up of the gravitational-wave transient GW150914, 2016, APJ Supplement Series, 225:8
- Pian, E.; ...; **Yang, S.**; et al, Optical photometry and spectroscopy of the low-luminosity, broad-lined Ic supernova iPTF15dld, 2016, MNRAS, 466: 848
- Abbott, B. P.; Abbott, R.; Abbott, T. D.; ...; **Yang, S.**; et al, Multi-messenger Observations of a Binary Neutron Star Merger, 2017, APJL, 848: L12
- Abbott, B. P.; Abbott, R.; Abbott, T. D.; ...; **Yang, S.**; et al, A gravitational-wave standard siren measurement of the Hubble constant, 2017, Nature, 551, 85
- Valenti, S.; Davis, S.; **Yang, S.**; et al, The discovery of the electromagnetic counterpart of GW170817: kilonova AT 2017gfo/DLT17ck, 2017, APJL, 848: 2
- Pian, E.; ...; **Yang, S.**; et al, Spectroscopic identification of r-process nucleosynthesis in a double neutron star merger, 2017, Nature, 551, 67
- **Yang, S.**; et al, An empirical limit on the kilonova rate from the DLT40 one day cadence Supernova Survey, 2017, APJL, 851: L48
- Brocato, E.; ...; **Yang, S.**; et al, GRAWITA: VLT Survey Telescope observations of the gravitational wave sources GW150914 and GW151226, 2017, MNRAS, 474: 411
- Melandri, A.; ...; **Yang, S.**; et al, Unveiling the enigma of ATLAS17aeu, submitted to Astronomy & Astrophysics, arXiv:1807.03681

- **Yang, S.**; et al, Optical follow-up of Gravitational Wave events during the second advanced detector observing run with the DLT40, submitted to APJ
- **Yang, S.**; et al, Machine Learning in transient search of DLT40, submitted to MNRAS
- **Yang, S.**; Systematic Effects in Large Scale Angular Power Spectra and Implications for Constraining Primordial Non-gaussianity, 2015, Progress in Astronomy (Chinese), 33: 4
- **Yang, S.**; Gravitational wave optical counterpart searching based on GRAWITA and DLT40 project during LIGO O2 run, Proceedings of IAU Symposium 338: Gravitational Waves Astrophysics, 2017, Cambridge University Press, arXiv:1801.06506
- Grado, A.; ...; **Yang, S.**, Gravitational Waves optical follow-up at VST, Proceedings of the THESEUS Workshop 2017, Journal of the Italian Astronomical Society (Mem.SAIt), arXiv:1802.01692
- **Yang, S.**; Electromagnetic counterpart searching for gravitational wave, GRASS Symposium, 2018, Proceeding of Science
- Grado, A.; ...; **Yang, S.**, GW optical counterpart search in the Multi-Messenger Astronomy Era, GRASS Symposium, 2018, Proceeding of Science

Telegrams.....

- Atel: 9185, 10344,10377,10603
- GCN: 20408, 20524, 20669, 20736, 20714, 20875, 20693, 20760, 21010, 21772, 21766, 21745, 21531, 21539, 21579, 21833, 21703, 21532, 21556, 21596, 21653, 21598, 21592, 21878, 21495, 21498, 21116, 21009, 20902, 20876, 20854, 20776

Popular Scientific Articles.....

- <http://mp.weixin.qq.com/s/Xv8WrgbhPXnH8iMyEYqjzg>, (Chinese) Scientific American, 2017
- https://mp.weixin.qq.com/s/_F2uL3v5AVYb7OlbHRCSRQ, (Chinese) Intellectuals, 2017

(update to 2018.11)