Nissim Kanekar

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1 Biographical details :

- Date of Birth : $11^{\rm th}$ September, 1973
- Nationality : Indian
- Institute : National Centre for Radio Astrophysics, TIFR, Pune – 411007, India
- Phone : +91 – 20 – 2571 9246
- E-mail : nkanekar@ncra.tifr.res.in

2 Career history:

- Professor-H: 2018 – present, National Centre for Radio Astrophysics, India
- DST Swarnajayanti Fellowship: 2015 – 2020, National Centre for Radio Astrophysics, India
- Associate Professor-G: 2012 – 2017, National Centre for Radio Astrophysics, India
- DST Ramanujan Fellowship: 2009 – 2014, National Centre for Radio Astrophysics, India
- Reader-F: 2009 – 2012, National Centre for Radio Astrophysics, India
- Max Planck Fellowship : 2007 – 2009, National Radio Astronomy Observatory, USA.
- Jansky Fellowship : 2004 – 2008, National Radio Astronomy Observatory, USA.
- NOVA Fellowship : 2002 – 2004, Kapteyn Institute, University of Groningen, The Netherlands (NL)
- Visiting Fellowship : 2000 – 2001, National Centre for Radio Astrophysics, India

3 Formal education :

- Ph.D. (Physics): October 2000, University of Pune. Research carried out at NCRA-TIFR, Pune
- M. Sc. (Physics): 1995, University of Pune, India
- B. Sc. (Physics): 1993, University of Bombay, India

4 Fellowships and Awards :

- Fellowship of the Indian Academy of Sciences – 2018
- Shanti Swarup Bhatnagar Award for the Physical Sciences – 2017, awarded by the Council of Scientific and Industrial Research, India
- Hari Om Prerit Vikram Sarabhai Award for Space Sciences – 2015, awarded by Physical Research Laboratory, India
- DST Swarnajayanti Fellowship: 2015 – 2020, National Centre for Radio Astrophysics, India
- The Delta Lecturership Award: 2014, awarded by the National Central University, Taiwan
- DST Ramanujan Fellowship: 2009 – 2014, National Centre for Radio Astrophysics, India
- Vainu Bappu Gold Medal of the Astronomical Society of India: 2008 (shared with Niayesh Afshordi)
- Max Planck Fellowship : 2007 – 2009, National Radio Astronomy Observatory, USA.
- Distinguished Visitor : 12/2005 – 01/2006, Australia Telescope National Facility, Australia.
- ESO Visiting Fellowship : 9/2005 – 10/2005, European Southern Observatory, Chile.
- URSI Young Scientist Award : 2005, declined.
- Jansky Fellowship : 2004 – 2008, National Radio Astronomy Observatory, USA.
- Bolton Fellowship (ATNF, Australia) : 2004 – 2007, declined.
- ASTRON Fellowship (ASTRON, The Netherlands) : 2004 – 2007, declined.
- Bolton Fellowship (ATNF, Australia) : 2003 – 2006, declined.
- NOVA Fellowship : 2002 – 2004, Kapteyn Institute, University of Groningen, The Netherlands

5 Professional activities:

- Referee for the journals Nature, Physical Review Letters, Nature Astronomy, Monthly Notices of the Royal Astronomical Society, Physical Review D, Astrophysical Journal, Astronomical Journal, Astronomy & Astrophysics, Astrophysics & Space Science, and Journal of Astronomy and Astrophysics.
- Referee for funding proposals to the US National Science Foundation, the European Research Council, the UK Science and Technology Facilities Council, and the Australian Research Council.
- Referee for observing proposals to the Giant Metrewave Radio Telescope, the AstroSat telescope, the Meerkat telescope, the Shanghai-Tianma telescope, and the FAST telescope.

- Chair of a Cosmology Science Panel for observing proposals to the Atacama Large Millimeter/sub-millimeter Array, and member of the Time Allocation Committees for the Giant Metrewave Radio Telescope, the Devasthal Optical Telescope, and the Very Large Array Large Programs.
- Member of the Organizing Committee of the International Astronomical Union Commission J "The Intergalactic Medium"

6 Current research areas:

- High-redshift galaxies.
- Fundamental constant evolution.
- The Galactic interstellar medium.
- Pulsars at the Galactic Centre.

7 Conference talks (selected):

1. "Pathfinder HI Survey Coordination Committee - 2020 ", (virtual, invited)
2. "What Matter(s) Between Galaxies", Spineto, Italy, 2019 (invited)
3. "HI Absorption 2018", Dwingeloo, The Netherlands, 2018 (invited)
4. "The East Asia ALMA Workshop", Daejeon, South Korea, 2017 (invited)
5. "The Thirty Meter Telescope Science Forum", Mysuru, India, 2017 (invited)
6. "JvGFest 2017: Gas and Galaxy Evolution", Stanley, Idaho, USA, 2017 (invited)
7. "Science at Low Radio Frequencies – III", Pasadena, California, USA, 2016 (invited)
8. "Galaxies on Top of Quasars", Pittsburgh, USA, 2016
9. "SKA in Seoul", Seoul, South Korea, 2015
10. "The Metre Wavelength Sky", Pune, India, 2013 (invited)
11. "Phases of the ISM", Heidelberg, Germany, 2013
12. "Varying Fundamental Constants and Dynamical Dark Energy", Sesto, Italy, 2013 (invited)
13. "The Modern Radio Universe – 2013", Bonn, Germany, 2013 (invited)
14. "Indian Conference on Galaxy Formation and Cosmology", Mohali, India, 2011 (invited)
15. "International Conference on Interstellar Dust, Molecules and Chemistry", Pune, India, 2011 (invited)

16. “Galaxies in Absorption”, Boulder, Colorado, USA, 2011 (invited)
17. “A Quarter Century of DLAs”, Ringberg, Germany, 2011 (invited)
18. “A New Golden Age in Radio Astronomy”, Assen, The Netherlands, 2010
19. “The High Redshift Universe: A Multi-Wavelength View”, Aspen, Colorado, USA, 2010
20. “IAU JD 9: Are the Fundamental Constants varying with Time ?”, Rio de Janeiro, Brazil, 2009
21. “The Marcel Grossmann meeting 12”, Paris, France, 2009
22. “The Invisible Universe”, Paris, France, 2009
23. “Advancing Chemical Understanding through Astronomical Observations”, Green Bank, USA, 2009 (invited)
24. “The EVLA Vision: Galaxies Through Cosmic Time”, Socorro, USA, 2008
25. “The Low Frequency Radio Universe”, Pune, India, 2008 (invited)
26. “Galaxy Evolution through the Neutral Hydrogen Window”, Arecibo, USA, 2008
27. “Indian Conference on Galaxy Formation and Cosmology”, Allahabad, India, 2007
28. “Frontiers of Astrophysics : A Celebration of NRAO’s 50th Anniversary”, Virginia, USA, 2007 (invited)
29. “HI Survival through Cosmic Time”, Sienna, Italy, 2007 (invited)
30. “Precision Spectroscopy in Astrophysics – 2006”, Aveiro, Portugal, 2006
31. “New Techniques and Results in Low Frequency Radio Astronomy”, Tasmania, Australia, 2005 (invited)
32. “Probing Galaxies through Quasar Absorption Lines”, IAU Colloquium 199, Shanghai, China, 2005
33. “The Dense Interstellar Medium in Galaxies”, 4th Köln-Bonn-Zermatt Symposium, Zermatt, 2003
34. “The Baryonic Universe”, Aspen Astrophysics Workshop, Aspen, USA, 2003

8 Colloquia and other invited talks (selected):

1. Colloquium (online), ICRAR, University of Western Australian, Australia, 2021
2. NSF Colloquium (online), Tata Institute of Fundamental Research, Mumbai, India, 2021
3. Colloquium (online), National Central University, Taiwan, 2021
4. Colloquium (online), ASTRON, The Netherlands, 2020
5. Colloquium (online), Dominican Radio Astronomy Observatory, Canada, 2020

6. Colloquium (online), Hebrew University, Jerusalem, Israel, 2020
7. State of the Universe seminar (online), Tata Institute of Fundamental Research, Mumbai, India, 2020
8. Colloquium, Indian Institute of Science Education and Research, Mohali, 2020
9. Colloquium, Inter-University Centre for Astronomy and Astrophysics, Pune, 2019
10. Colloquium, Canadian Institute of Theoretical Astrophysics, Toronto, Canada, 2019
11. Colloquium, Saha Institute of Nuclear Physics, Kolkata, 2018
12. Anil Kumar Memorial Lecture, Indian Institute of Science, Bengaluru, 2018
13. Colloquium, Centre d'Energie Atomique, Saclay, France, 2018
14. Colloquium, Kapteyn Institute, University of Groningen, The Netherlands, 2018
15. NISER Physics Colloquium, National Institute of Science Education and Research, Bhubaneswar, 2018
16. IISER Physics Seminar, Indian Institute of Science Education and Research, Pune, 2018
17. Presidency University Colloquium, Presidency University, Kolkata, India, 2017
18. Vikram Sarabhai Award Colloquium, Physical Research Laboratory, Ahmedabad, India, 2017
19. ARIES Colloquium, Aryabhatta Research Institute for Observational Sciences, Nainital, India, 2017
20. TIFR Astronomy Colloquium, Tata Institute of Fundamental Research, Mumbai, India, 2017
21. Max-Planck Institut für Radioastronomie colloquium, Bonn, Germany, 2016
22. IMPS seminar, University of California, Santa Cruz, USA, 2016
23. KASI Colloquium, Korea Astronomy and Space Science Institute, Daejon, South Korea, 2015
24. Delta Lecturership Colloquium, National Central University, Taiwan, 2015
25. ICRAR Colloquium, University of Western Australia, Australia, 2014
26. ICRAR Colloquium, Curtin University, Australia, 2014
27. Kapteyn Institute Colloquium, Groningen, The Netherlands, 2013
28. Max Planck Institut fur Radioastronomie Colloquium, Bonn, Germany, 2013
29. TIFR Physics Colloquium, Tata Institute of Fundamental Research, Mumbai, India, 2012
30. IISc Astronomy Seminar, Indian Institute of Sciences, Bangalore, India, 2012
31. IISc Physics Colloquium, Indian Institute of Sciences, Bangalore, India, 2012

32. ALMA Colloquium, European Southern Observatory, Santiago, Chile, 2012
33. ESO Colloquium, European Southern Observatory, Santiago, Chile, 2012
34. Seminar, European Southern Observatory, Garching, Germany, 2010
35. National Radio Astronomy Observatory colloquium, Green Bank, USA, 2010
36. Seminar, Lawrence Berkeley National Laboratory, Berkeley, USA, 2009
37. Seminar, University of California, Santa Cruz, USA, 2008
38. Seminar, University of Colorado, Boulder, USA, 2008
39. Australia Telescope National Facility Colloquium, Sydney, Australia, 2008
40. Seminar, Institute of Astronomy, University of Cambridge, UK, 2007
41. Department of Astrophysics colloquium, University of Oxford, UK, 2007
42. Arecibo Observatory colloquium, Arecibo, Puerto Rico, 2007
43. Seminar, Caltech, Pasadena, USA, 2007
44. Astrophysics seminar, University of California, San Diego, USA, 2006
45. National Centre for Radio Astrophysics colloquium, Pune, India, 2006
46. ASTRON colloquium, Dwingeloo, the Netherlands, 2006
47. New Mexico Institute of Technology colloquium, Socorro, USA, 2006
48. Australian National University colloquium, Canberra, Australia, 2005
49. European Southern Observatory colloquium, Santiago, Chile, 2005
50. Astrophysics seminar, University of New Mexico, Albuquerque, USA, 2005
51. National Radio Astronomy Observatory colloquium, Socorro, USA, 2005
52. Australia Telescope National Facility colloquium, Sydney, Australia, 2004
53. Kapteyn Institute colloquium, University of Groningen, the Netherlands, 2003
54. Max-Planck Institut für Radioastronomie seminar, Bonn, Germany, 2003
55. Max-Planck Institut für Radioastronomie colloquium, Bonn, Germany, 2003
56. ASTRON colloquium, Dwingeloo, the Netherlands, 2003
57. National Radio Astronomy Observatory colloquium, Green Bank, USA, 2002

58. University of Melbourne colloquium, Melbourne, Australia, 2000

59. Australia Telescope National Facility colloquium, Sydney, Australia, 2000

60. Max-Planck Institut für Astrophysik seminar, Garching, Germany, 1998

61. Seminar, Institute of Astronomy, University of Cambridge, UK, 1998

62. Astrophysics seminar, Imperial College, UK, 1998

9 Refereed publications:

1. *The Nature of HI-absorption-selected Galaxies at $z \approx 4$*,
   B. Kaur, **N. Kanekar**, M. Rafelski, et al. 2021, ApJ, 921, 68

2. *Giant Metrewave Radio Telescope Detection of HI 21 cm Emission from Star-forming Galaxies at $z \approx 1.3$*,
   A. Chowdhury, **N. Kanekar**, B. Das, et al. 2021, ApJL, 913, L24

3. *The Atomic Gas Mass of Green Pea galaxies*,
   N. Kanekar, T. Ghosh, J. Rhoads, et al. 2021, ApJL, 913, L15

4. *High Molecular Gas Masses in Absorption-selected Galaxies at $z \approx 2$*,
   N. Kanekar, J. X. Prochaska, M. Neeleman, et al., 2020, ApJL, 901, L5

5. *HI 21-centimetre Emission from an Ensemble of Galaxies at an average redshift of 1*,
   A. Chowdhury, **N. Kanekar**, J. N. Chengalur, et al. 2020, Nature, 586, 369

6. *Giant Metrewave Radio Telescope Detections of Two High-opacity HI 21 cm Absorbers at $z \approx 1.2$*,
   A. Chowdhury, **N. Kanekar**, J. N. Chengalur, 2020, ApJL, 900, L30

7. *A cold massive rotating disk galaxy 1.5 billion years after the Big Bang*,
   M. Neeleman, J. X. Prochaska, **N. Kanekar**, & M. Rafelski, 2020, Nature, 581, 269

8. *ALMA C*II *158μm Imaging of an HI-selected Major Merger at $z \sim 4$*
   J. X. Prochaska, M. Neeleman, **N. Kanekar**, & M. Rafelski, 2019, ApJL, 886, L35

9. *Atomic Hydrogen in star-forming galaxies at intermediate redshifts*
   A. Bera, **N. Kanekar**, J. N. Chengalur & J. S. Bagla, 2019, ApJL, 882, L7

10. *Linking gas and galaxies at high redshift: MUSE surveys the environments of six damped Lyman-αsystems at $z \sim 3$*
    R. Mackenzie, M. Fumagalli, T. Theuns, D. J. Hatton, T. Garel, S. Cantalupo, L. Christensen, J. P. U. Fynbo, **N. Kanekar**, et al. 2019, MNRAS, 487, 5070

11. *The host galaxy of GRB 980425/SN1998bw: a collisional ring galaxy*
    M. Arabsalmani, S. Roychowdhury, T. K. Starkenburg, L. Christensen, E. Le Floc'h, **N. Kanekar**, F. Bournaud, et al., 2019, MNRAS, 485, 5411

12. *H*I *21cm mapping of the host galaxy of AT2018cow: a fast-evolving luminous transient within a ring of high column density gas*
    S. Roychowdhury, M. Arabsalmani & **N. Kanekar**, 2019, MNRAS, 485, L93

13. *C*II *158μm Emission from $z \sim 4$ HI Absorption-selected Galaxies*
    M. Neeleman, **N. Kanekar**, J. X. Prochaska, M. Rafelski & C. L. Carilli, 2019, ApJL, 870, L19

14. *Detection of the Galactic warm neutral medium in HI 21-cm absorption*
    N. N. Patra, **N. Kanekar**, J. N. Chengalur, N. Roy, 2019, MNRAS, 479, L7

15. *Statistical properties of Faraday rotation measure in external galaxies - I. Intervening disc galaxies*
A. Basu, S. A. Mao, A. Fletcher, **N. Kanekar**, A. Shukurov, et al., 2018, MNRAS, 477, 2528

16. *Massive, Absorption-selected Galaxies at Intermediate Redshifts*
N. Kanekar, J. X. Prochaska, L. Christensen, et al., 2018, ApJL, 856, L23

17. *Molecular Emission from a Galaxy Associated with a $z \approx 2.2$ Damped Lyα Absorber*
M. Neeleman, **N. Kanekar**, J. X. Prochaska, et al., 2018, ApJL, 856, L12

18. *ALMA observations of a metal-rich damped Lyα absorber at $z = 2.5832$: evidence for strong galactic winds in a galaxy group*
J. P. U. Fynbo, K. E. Heintz, M. Neeleman, L. Christensen, M. Dessauges-Zavadsky, **N. Kanekar**, et al., 2018, MNRAS, 479, 2126

19. *Probing Star Formation in Galaxies at z 1 via a Giant Metrewave Radio Telescope Stacking Analysis*
A. Bera, **N. Kanekar**, B. Weiner, S. Sethi, & K. S. Dwarakanath, 2018, ApJ, 865, 39

20. *ALMA Observations of Molecular Absorption in the Gravitational Lens PMN 0134-0931 at $z = 0.7645$*
T. Wiklind, F. Combes & **N. Kanekar**, 2018, ApJ, 864, 73

21. *A Giant Metrewave Radio Telescope search for associated HI 21cm absorption in the Caltech-Jodrell flat spectrum samplee*
J. N. H. S. Aditya, **N. Kanekar**, 2018, MNRAS, 481, 1578

22. *ALMA + VLT observations of a damped Lyman-α absorbing galaxy: massive, wide CO emission, gas-rich but with very low SFR*
P. Möller, L. Christensen, M. A. Zwaan, **N. Kanekar**, et al., 2018, MNRAS, 474, 4039

23. *Stringent constraints on fundamental constant evolution using conjugate 18 cm satellite OH lines*
N. Kanekar, T. Ghosh, & J. N. Chengalur, 2018, Phys. Rev. Lett., 120, 061302

24. *The gas and stellar mass of low-redshift damped Lyman-α absorbers*
N. Kanekar et al., 2018, MNRAS, 473, L54

25. *A Giant Metrewave Radio Telescope search for associated HI 21cm absorption in GHz-peaked-spectrum sources*
J. N. H. S. Aditya, **N. Kanekar**, 2018, MNRAS, 473, 59

26. *Giant Metrewave Radio Telescope Monitoring of the Black Hole X-Ray Binary, V404 Cygni, during its 2015 June Outburst*
P. Chandra, **N. Kanekar**, 2017, ApJ, 846, 111

27. *[CII] 158-μm emission from the host galaxies of damped Lyman-alpha systems*
M. Neeleman, **N. Kanekar**, J. X. Prochaska, M. Rafelski, C. L. Carilli, A. M. Wolfe, 2017, Science, 355, 1285

28. *Giant Metrewave Radio Telescope detection of associated HI 21-cm absorption at $z = 1.2230$ towards TXS 1954+513*
J. N. H. S. Aditya, **N. Kanekar**, J. X. Prochaska, B. Day, P. Lynam, J. Cruz, 2017, MNRAS, 465, 5011

29. *First Connection between Cold Gas in Emission and Absorption: CO Emission from a Galaxy-Quasar Pair*
M. Neeleman, J. X. Prochaska, M. A. Zwaan, **N. Kanekar**, L. Christensen, M. Dessauges-Zavadsky, J. P. U. Fynbo, E. van Kampen, P. Moller, T. Zafar 2016, ApJL, 820, L39

30. *Invisible Active Galactic Nuclei. II. Radio Morphologies and Five New HI 21cm Absorption Line Detectors*
T. Yan, J. T. Stocke, J. Darling, E. Momjian, S. Sharma, **N. Kanekar** 2016, AJ, 151, 74

31. *A Giant Metrewave Radio Telescope search for associated HI 21cm absorption in high-redshift flat-spectrum sources*
J. N. H. S. Aditya, **N. Kanekar**, S. Kurapati 2016, MNRAS, 455, 4000

32. *The Gas Mass of Star-forming Galaxies at $z \approx 1.3$*
N. Kanekar, S. Sethi, K. S. Dwarakanath 2016, ApJL, 818, L28

33. *The HI Content of the Universe Over the Past 10 Gyrs*
M. Neeleman, J. X. Prochaska, J. Ribaudo, N. Lehner, J. C. Howk, M. Rafelski, **N. Kanekar** 2016, ApJ, 818, 113

34. *First measurement of HI 21 cm emission from a GRB host galaxy indicates a post-merger system*
M. Arabsalmani, S. Roychowdhury, M. A. Zwaan, **N. Kanekar**, M. Michalowski 2015, MNRAS, 454, L51

35. *HI 21cm emission from the subdamped Lyman-α absorber at z = 0.0063 towards PG 1216+069*
J. N. Chengalur, T. Ghosh, C. J. Salter, **N. Kanekar**, E. Momjian, B. A. Keeney, J. T. Stocke 2015, MNRAS, 353, 3135

36. *A New Constraint on the Molecular Oxygen Abundance at $z \sim 0.886$*
N. Kanekar, D. S. Meier 2015, ApJL, 811, L23

37. *On Detecting Millisecond Pulsars at the Galactic Center*
J-P. Macquart, **N. Kanekar** 2015, ApJ, 805, 172

38. *A search for Hα emission in high-metallicity damped Lymanα systems at $z \sim 2.4$*
W-H. Wang, **N. Kanekar**, J. X. Prochaska 2015, MNRAS, 448, 2832

39. *Constraints on changes in the proton-electron mass ratio using methanol lines*
N. Kanekar et al. 2015, MNRAS, 448, L104

40. *Directly imaging damped Lyα galaxies at $z > 2$ – III. The star formation rates of neutral gas reservoirs at $z \sim 2.7$*
M. Fumagalli, J. M. O'Meara, J. X. Prochaska, M. Rafelski, **N. Kanekar** 2015, MNRAS, 446, 3178

41. *Giant Metrewave Radio Telescope Detection of Two New HI 21cm Absorbers at $z \approx 2$*
N. Kanekar 2014, ApJL, 797, L20

42. *Directly imaging damped Lyα galaxies at $z > 2$ – II. Imaging and spectroscopic observations of 32 quasar fields*
M. Fumagalli, J. M. O'Meara, J. X. Prochaska, **N. Kanekar**, A. M. Wolfe 2014, MNRAS, 444, 1282

43. *Constraints on the gas mass of low-z damped Lyman α systems*
P. Mazumdar, **N. Kanekar**, J. X. Prochaska 2014, MNRAS, 443, L29

44. *The spin temperature of high-redshift damped Lyman α systems*
N. Kanekar et al. 2014, MNRAS, 438, 2131

45. *A Blind Green Bank Telescope Millimeter-wave Survey for Redshifted Molecular Absorption*
N. Kanekar, A. Gupta, C. L. Carilli, J. T. Stocke, K. W. Willett 2014, ApJ, 782, 56

46. *The temperature of the diffuse HI in the Milky Way - II. Gaussian decomposition of the HI-21 cm absorption spectra*
N. Roy, **N. Kanekar**, J. N. Chengalur 2013, MNRAS, 436, 2366

47. *The temperature of the diffuse HI in the Milky Way - I. High resolution HI-21 cm absorption studies*
N. Roy, **N. Kanekar**, R. Braun, J. N. Chengalur 2013, MNRAS, 436, 2352

48. *Accurate measurement of the HI column density from HI 21cm absorption-emission spectroscopy*
J. N. Chengalur, **N. Kanekar**, N. Roy 2013, MNRAS, 432, 3074

49. *A Search for CII-158 μm Line Emission in HCM6A, a Lyα Emitter at z = 6.56*
N. Kanekar, J. Wagg, R. R. Chary, C. L. Carilli 2013, ApJL, 771, L20

50. *A search for HI 21 cm absorption towards a radio-selected quasar sample - II. A new low spin temperature DLA at high redshift*
N. Kanekar, S. L. Ellison, E. Momjian, B. A. York, M. Pettini 2013, MNRAS, 428, 532

51. *HI content, metallicities and spin temperatures of damped and sub-damped Lyα systems in the redshift desert ($0.6 < z_{abs} < 1.7$)*
S. L. Ellison, **N. Kanekar**, J. X. Prochaska, E. Momjian, G. Worseck 2012, MNRAS, 424, 293

52. *A Deep Search for CO J = 2-1 Emission from a Lyα Blob at $z \sim 6.595$*
J. Wagg, **N. Kanekar** 2012, ApJL, 751, L24

53. *Constraining Fundamental Constant Evolution with HI and OH Lines*
N. Kanekar, G. I. Langston, J. T. Stocke, C. L. Carilli, K. M. Menten 2012, ApJL, 746, L16

54. *An HI Column Density Threshold for Cold Gas Formation in the Galaxy*
N. Kanekar, R. Braun, N. Roy 2011, ApJL, 737, L33

55. *Constraining Changes in the Proton-Electron Mass Ratio with Inversion and Rotational Lines*
N. Kanekar 2011, ApJ, 728, L12

56. *A High-Velocity Narrow Absorption Line Outflow in the Quasar J212329.46-005052.9*
F. W. Hamann, **N. Kanekar**, J. X. Prochaska et al. 2011, MNRAS, 410, 1957

57. *Directly imaging damped Lyman-α galaxies at $z > 2$ - I. Methodology and first results*
M. Fumagalli, J. M. O'Meara, J. X. Prochaska & **N. Kanekar** 2010, MNRAS, 408, 362

58. *Probing Fundamental Constant Evolution with Redshifted Conjugate-satellite OH Lines*
N. Kanekar, J. N. Chengalur & T. Ghosh 2010, ApJ, 716, L23

59. *A High-frequency Search for Pulsars within the Central Parsec of Sgr A**
J-P. Macquart, **N. Kanekar**, D. A. Frail & S. M. Ransom 2010, ApJ, 715, 939

60. *Probing Fundamental Constant Evolution with Neutral Atomic Gas Lines*
N. Kanekar, J. X. Prochaska, S. L. Ellison & J. N. Chengalur 2010, ApJ, 712, L148

61. *The Molecular Gas Content of $z > 6.5$ Lyman-α Emitters*
J. Wagg, **N. Kanekar** & C. L. Carilli 2009, ApJ, 697, L33

62. *A Metallicity-Spin Temperature Relation in Damped Ly-α Systems*
N. Kanekar, A. Smette, F. H. Briggs & J. N. Chengalur 2009, ApJL, 705, L40

63. *The covering factor of high-redshift damped Lyman-α systems*
N. Kanekar, W. M. Lane, E. Momjian, F. H. Briggs & J. N. Chengalur 2009, MNRAS, 394, L61

64. *A search for HI 21cm absorption in strong MgII absorbers in the redshift desert*
N. Kanekar, J. X. Prochaska, S. L. Ellison & J. N. Chengalur 2009, MNRAS, 396, 385

65. *A search for damped Lyman-α systems towards radio-loud quasars I: the optical survey*
S. L. Ellison, B. A. York, M. Pettini & **N. Kanekar** 2008, MNRAS, 388, 1349

66. *Outflowing atomic and molecular gas at $z \sim 0.67$ towards 1504+377*
N. Kanekar & J. N. Chengalur 2008, MNRAS, 384, L6

67. *Discovery of 21-cm absorption in a $z_{abs} = 2.289$ damped Lyman-α system towards TXS 0311+430: the first low spin temperature absorber at $z > 1$*
B. A. York, **N. Kanekar**, S. L. Ellison, M. Pettini 2007, MNRAS, 382, L53

68. *HI 21 cm absorption at $z \sim 3.39$ towards PKS 0201+113*
N. Kanekar, J. N. Chengalur & W. M. Lane 2007, MNRAS, 375, 1528

69. *HI 21 cm absorption at $z \sim 2.347$ towards PKS B0438−436*
N. Kanekar, R. Subrahmanyan, S. L. Ellison, W. M. Lane & J. N. Chengalur 2006, MNRAS, 370, L46

70. *Constraints on changes in fundamental constants from a cosmologically distant OH absorber/emitter*
N. Kanekar et al. 2005, Phys. Rev. Lett., 95, 261301

71. *Tiny HI Clouds in the local ISM*
R. Braun & **N. Kanekar** 2005, A&A, 436, L53

72. *The strange case of a sub-DLA with very little HI*
N. Kanekar & J. N. Chengalur 2005, A&A, 429, L51

73. *Conjugate 18cm OH Satellite Lines at a Cosmological Distance*
N. Kanekar, J. N. Chengalur & T. Ghosh 2004, Phys. Rev. Lett., 93, 051302

74. *The use of OH "main" lines to constrain the variation of fundamental constants*
N. Kanekar & J. N. Chengalur 2004, MNRAS, 350, L17

75. *HI absorption in a gravitational lens at $z \sim 0.7645$*
N. Kanekar & F. H. Briggs 2003, A&A, 412, L29

76. *Constraining the variation of fundamental constants using 18cm OH lines.*
J. N. Chengalur & **N. Kanekar** 2003, Phys. Rev. Lett., 91, 241302

77. *The temperature of the WNM in the Milky Way.*
N. Kanekar, R. Subrahmanyan, J. N. Chengalur & V. Safouris 2003, MNRAS, 346, L57

78. *Detection of OH and wide HI absorption towards B0218+357.*
N. Kanekar, J. N. Chengalur, A. G. de Bruyn & D. Narasimha 2003, MNRAS, 345, L7

79. *Widespread acetaldehyde near the galactic center.*
J. N. Chengalur & **N. Kanekar** 2003, A&A, 403, L43

80. *A deep search for 21cm absorption in high redshift damped Lyman-α systems.*
N. Kanekar & J. N. Chengalur 2003, A&A, 399, 857

81. *HI 21cm imaging of a nearby damped Lyman-α system.*
J. N. Chengalur & **N. Kanekar** 2002, A&A, 388, 383

82. *A new 21-cm absorber identified with an $L \sim L_\star$ galaxy.*
N. Kanekar, R. Athreya & J. N. Chengalur 2002, A&A, 382, 838

83. *Molecular gas at intermediate redshifts.*
N. Kanekar & J. N. Chengalur 2002, A&A, 381, L73

84. *Detection of a multi-phase ISM at $z = 0.2212$.*
N. Kanekar, T. Ghosh & J. N. Chengalur 2001, A&A, 373, 394

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