Curriculum Vitae

Atsushi Taruya

Sex : Male

Birthday : 13th October, 1970

Nationality: Japanese

Current position : Associate professor

Affiliation and Address:

Yukawa Institute for Theoretical Physics, Kyoto University
Kitashirakawa Oiwakecho, Sakyo-ku, Kyoto 606-8502, Japan

Education:

1993 B.A., School of Science, Department of Physics, Nagoya University
1995 M.S., Graduate school of Science, Division of particle and astrophysical sciences, Nagoya University
1998 Ph.D., Graduate school of Science, Division of particle and astrophysical sciences, Nagoya University

PhD thesis: ”Cosmological perturbation in reheating after inflation” (1998)

Fellowships and positions:

1998 – 1999 Research fellow, Faculty of Integrated Human Studies, Kyoto University
1999 – 2000 Research fellow, Research Center for the Early Universe, School of Science, The University of Tokyo
2000 – 2001 Research Fellow of Japan Society of Promotion of Science, Department of Physics, The University of Tokyo
2001 –2013 Assistant Professor, Research Center for the Early Universe, School of Science, The University of Tokyo
2013 – Associate Professor, Yukawa Institute for Theoretical Physics, Kyoto University

Membership:

Physical Society of Japan
Astronomical Society of Japan
International Astronomical Union
Japanese Association of Theoretical Astronomy and Astrophysics

Research themes and publications:

- My main research activities are the studies of the large-scale structure of the universe in the subject of observational cosmology. I have worked more particularly on the statistics and dynamics of large-scale structure both from the theoretical and observational point-of-view. Further, I have been working on several interdisciplinary topics relating to cosmology. Topics include statistical mechanics of self-gravitating system, gravitational-wave backgrounds, and measurements/characterization of exoplanets.

- 119 refereed articles, h-index: 40 (as of 2nd July 2017, based on ADS)

Awards:

The 2016 Yukawa-Kimura prize, "exploration of precision nonlinear perturbation theory for gravitational evolution of structures in the universe", Yukawa memorial foundation (18th Jan. 2017)