

Curriculum Vitae: Shigehiro Nagataki

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Present Position

Associate Professor
Yukawa Institute for Theoretical Physics, Kyoto University

Education

Apr 1995 - Mar 1998 The University of Tokyo (Doctor of Science)
Apr 1993 - Mar 1995 The University of Tokyo (Master of Science)
Apr 1989 - Mar 1993 The University of Tokyo (Bachelor of Science)

Employment

Mar 2004 - Present Kyoto University (Associate Professor)
Sep 2002 - Mar 2004 The University of Tokyo (Assistant Professor)
Apr 2002 - Aug 2002 National Astronomical Observatory of Japan
(Postdoctoral Scientific Research Associate)
Apr 1998 - Mar 2002 The University of Tokyo (JSPS Research Fellow)

Professional Society

Physical Society of Japan
Astronomical Society of Japan

Fellowships and Awards

Apr 1997 - Mar 2002 JSPS Research Fellow, The University of Tokyo
Mar 2006 - Mar 2007 Visiting Scholar, Kavli Institute for Particle
Astrophysics and Cosmology, Stanford Linear Accelerator Center,
Stanford University

Publications: 87, including: 46 in refereed journals, 8 submitted to refereed journals; 33 in Conference papers.

Conference organization: member of the Organizing Committee or session organizer at six international science meetings the last five years.

Recent Invited Talks at:

6th International Conference on High Energy Density Laboratory Astrophysics, Rice University, Houston, Texas, USA (2006); Supernova 1987A: 20 Years After Supernovae and Gamma-Ray Bursters, Aspen, Colorado, February 19-23, (2007); Astronomy and Astrophysics of Extreme Universe, Saitama, Japan, 22-23 March (2007); YongPyong 2008 Astrophysics, YongPyong, Korea, 25-27 February (2008).

Five publications related to the proposed research:

1. High energy neutrino emission and neutrino background from gamma-ray bursts in the internal shock model K. Murase, S. Nagataki *Physical Review D* 73, (2006) 063002
2. High Energy Neutrino Flashes from Far-Ultraviolet and X-ray Flares in Gamma-Ray Bursts K. Murase, S. Nagataki *Physical Review Letters* 97 (2006) 051101
3. High Energy Neutrinos and Cosmic-Rays from Low-Luminosity Gamma-Ray Bursts? K. Murase, K. Ioka, S. Nagataki, T. Nakamura *Astrophysical Journal Letters* 651 (2006) L5-L8
4. High Energy neutrino signals from the Epoch of Reionization F. Iocco, K. Murase, S. Nagataki, P.D. Serpico *Astrophysical Journal* 675 (2008) 937-945
5. Very high energy cosmic rays and neutrinos from clusters of galaxies K. Murase, S. Inoue, S. Nagataki arXiv:0805.0104