

### 3.4. Invited Persons

The GCOE invited 223 persons (97 from abroad) from outside of Tohoku University for lectures, seminars, conference talks, and research meetings etc. in 2008-2012 fiscal year. (See the table in Section 3.1) The invited persons in 2012 fiscal year are as listed below.

No.	Date(s)	Name (research field, position) Institution Remarks
1.	May. 30-Jun. 6, 2012	<b>Nobuhiro Okabe</b> (Astrophysics, Postdoc Researcher) Institute of Astronomy and Astrophysics, Academia Sinica, Taipei, Taiwan. Research meeting on dark matter distribution by the weak gravitational lensing observation of Coma Cluster (2012.5.30-6.6, Tohoku University, Sendai, Japan)
2.	Aug. 23-24, 2012	<b>Koji Nakai</b> (Physics, Professor emeritus of KEK) Chairman of ARS, Japan GCOE Symposium on Reflection of Fukushima nuclear power plant disaster and the form of "science and society" (2013.8.23, Tohoku University, Sendai, Japan)
3.	Oct. 1-5, 2012	<b>Tomoaki Abe</b> (Particle Physics, Postdoc Researcher) Institute of Modern Physics and Center for High Energy Physics, Tsinghua University, Beijing, China. Seminar-title: "LHC Higgs Signatures from Extended Electroweak Gauge Symmetry"
4.	Nov. 11-15, 2012	<b>Matthias Bartelmann</b> (Astrophysics, Professor) Institute of Theoretical Astrophysics, University of Heidelberg, Germany The 22 <sup>nd</sup> JGRG - Resceu Symposium on General Relativity and Gravitation (2012.11.12-16, Koshiba Hall, The University of Tokyo, Japan) and Research meeting on observational cosmology by gravitational lensing.
5.	Dec. 2-7, 2012	<b>Simon Jeffery</b> (Astrophysics, Dr.) Armagh Observatory, Armagh, Northern Ireland Research meeting on the pulsating of hydrogen deficient star and subdwarf B star (2012.2-7, Tohoku University, Sendai, Japan)
6.	Dec. 7-15, 2012	<b>Gustavo Poce</b> (Mathematics, Professor)

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		University of California, Santa Barbara, USA
		International Workshop on Partial Differential Equation: Nonlinear Dispersive Equations and Fluid Mechanics - Well-posedness and Smoothing Effect
		Talk-title: "Decay and uniqueness properties of solutions to dispersive equations"
7.	Dec. 11-14, 2012	<b>Nakao Hayashi</b> (Mathematics, Professor) Osaka University, Japan International Workshop on Partial Differential Equation: Nonlinear Dispersive Equations and Fluid Mechanics - Well-posedness and Smoothing Effect Talk-Title: "Modified scattering operator for the derivative nonlinear Schrödinger equation"
8.	Dec. 12-14, 2012	<b>Shingo Ito</b> (Mathematics, Assistant Prof.) Tokyo University of Science, Japan International Workshop on Partial Differential Equation: Nonlinear Dispersive Equations and Fluid Mechanics - Well-posedness and Smoothing Effect Talk-title: "Estimates on modulation spaces for Schrödinger evolution operators with a potential"
9.	Dec. 11-14, 2012	<b>Takeshi Wada</b> (Mathematics, Associate, Prof.) Kumamoto University, Japan International Workshop on Partial Differential Equation: Nonlinear Dispersive Equations and Fluid Mechanics - Well-posedness and Smoothing Effect
10.	Jan.11-12, 2013	<b>Takako Nakajima</b> (Social Science, Lecturer) International Christian University, Japan Seminar-title: "A non-specialist's role for the risk assessment of science technology – on the food safety in Japan after the world war II -" (2013.1.11, Tohoku University, Sendai, Japan)
11.	Jan. 25-27, 2013	<b>Kazuhiro Oeda</b> (Mathematics, Assistant Prof.) Waseda University, Japan
12.	Jan. 25-25, 2013	<b>Hiroshi Watanabe</b> (Mathematics, Assistant Prof.) Salegian Polytechnics, Tokyo, Japan
13.	Jan. 27-Feb. 3, 2013	<b>Yousuke Mizuno</b> (Astrophysics, Assistant Research Scholar) Institute of Astronomy, National Tsing Hua University, Taiwan

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14.	Feb. 5-9, 2013	<b>Tomohiro Abe</b> (Particle Physics, Dr./Researcher) Institute of Modern Physics and Center for High Energy Physics, Tsinghua University, Beijing, China Research meeting on Particle Cosmology based on the recent data (2012.2.5-9, Tohoku University, Sendai, Japan)
15.	Mar.3-7, 2013	<b>Thomas Pruschke</b> (Condensed Matter Physics, Professor) Universität Göttingen, Germany The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan) Talk-title: "Coherence and Correlations – Electrons in Motion"
16.	Mar. 3-9, 2013	<b>Hidefumi Hiura</b> (Condensed Matter Physics, Dr./Chief Researcher) NEC Smart Energy Lab, Japan The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan) Talk-title: "Direct Formation of Graphene on Insulator by Liquid Phase Growth"
17.	Mar. 5-6, 2013	<b>Osamu Jinnouchi</b> (Particle Physics, Associate Professor) Tokyo Institute of Technology, Japan The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan) Talk-title: "The discovery of the new particle at LHC and a recent news about its identity"
18.	Mar. 4-5, 2013	<b>Hidekatsu Nemura</b> (Nuclear Physics, Associate Professor) University of Tsukuba, Japan The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan) Talk-title: "Hyperonic potentials from lattice QCD and toward an application to few-body problems"
19.	Mar.4, 2013	<b>Makiko Nio</b> (@particle Physics, Dr./Researcher) RIKEN Nishina Center, Japan Talk-title: "Tenth-order QED calculation of the lepton anomalous magnetic moments and precision determination of the fine-structure constant"

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20.	Mar. 3-6, 2013	<p><b>Yasuyuki Tanaka</b> (Astrophysics, Assistant Prof.) Hiroshima University, Japan</p> <p>The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan)</p> <p>Talk-title: "Fermi-LAT results of extragalactic sky in MeV/GeV range"</p>
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21.	Mar.3-4, 2013	<p><b>Tohru Ozawa</b> (Mathematics, Professor) Waseda University, Japan</p> <p>The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan)</p> <p>Talk-title: "Sharp Morawetz estimates"</p>
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22.	Mar. 4-6, 2013	<p><b>Kunitake Ito</b> (Philosophy, Professor) Kyoto University, Japan</p> <p>Research meeting on non-Gaussian analysis for large -scale structure of the cosmos (2012.1.16-18, Tohoku University, Sendai, Japan)</p> <p>The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan)</p> <p>Talk-title: "From the particle-matter hierarchy to the anthropic fine tuning"</p>
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23.	Mar. 3-7, 2013	<p><b>Adolfo del Campo</b> (Condensed Mater Physics, PhD student) Los Alamos National Lab., USA</p> <p>The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan)</p> <p>Talk-title: "Quantum speed limits in open system dynamics"</p>
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24.	Mar. 3-8, 2013	<p><b>Kohei Nishiyama</b> (Condensed Matter Physics, PhD student) University of Hyogo, Japan</p> <p>The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan)</p> <p>Talk-title: "Pressure effect on insulating gap structure in intermediate valence compound SmB6"</p>
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25.	Mar. 3-8, 2013	<p><b>Anton Potočnik</b> (Condensed Matter Physics, PhD student) University of Ljubljana, Slovenija</p> <p>The 5th GCOE International Symposium on "Weaving Science Web</p>

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		beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan) Talk-title: "How unconventional are conventional fulleride superconductors?"
26.	Mar. 3-7, 2013	<b>Tatsuro Yuge</b> (Condensed Matter Physics, Dr./ Researcher) Osaka University, Japan The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan) Talk-title: "Thermodynamic relation in nonequilibrium steady state"
27.	Mar.2-9, 2013	<b>Ruth Zadik</b> (Condensed Matter Physics, PhD student) Durham University, England The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan) Talk-title: "Superconductivity in strongly correlated molecular system"
28.	Mar. 3-8, 2013	<b>Kaya Wei</b> (Condensed Matter Physics, PhD student) University of South Florida, USA The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan) Talk-title: "Thermoelectric Materials Research for Power Conversion and Refrigeration Applications"
29.	Mar. 3-6, 2013	<b>Hiroyuki Abe</b> (Particle Physics, Associate Professor) Waseda University, Japan The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan) Talk-title: "Extra dimensions and a mass hierarchy of elementary particles"
30.	Mar. 3-9, 2013	<b>Yuichiro Kiyo</b> (Particle Physics, Associate Prof.) Juntendo University, Japan The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan) Talk-title: "Top quark mass determination near threshold at ILC"

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31.	Mar. 3-6, 2013	<p><b>Koutaro Shirotori</b> (Nuclear Physics, Assistant Prof.) RCNP, Osaka University, Japan</p> <p>The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan)</p> <p>Talk-title: "Spectroscopy of excited charmed baryons at the J-PARC high-momentum beam line"</p>
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32.	Mar. 3-6, 2013	<p><b>Katsuhiko Hayashi</b> (Astrophysics, PhD Student Hiroshima University, Japan)</p> <p>The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan)</p> <p>Talk-title: "Study of the Galactic cosmic-rays and the interstellar matter using Fermi Gamma-ray Space Telescope"</p>
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33.	Mar. 3-6, 2013	<p><b>Tsukasa Iwabuchi</b> (Mathematics, Assistant Prof.) Chuo University, Japan</p> <p>The 5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan)</p> <p>Talk-title: "Global solutions for the Navier-Stokes equations in the rotational framework"</p> <p>Talk-title: "The creation of physical phenomena and of technical artefacts"</p>
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34.	Mar. 4-5, 2013	<p><b>Kensaku Kinjo</b> (Condensed Matter Physics, Dr./ Researcher) University of Tokyo, Japan</p> <p>5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan)</p> <p>Talk-title: "Hypergeometric Series and Hessian Elliptic Curves"</p>
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35.	Feb.27-Mar.12, 2013	<p><b>Hiroyuki Akatsuka</b> (Philosophy, PhD student) Tohoku University, Japan / University of Innsbruck, Austria</p> <p>5th GCOE International Symposium on "Weaving Science Web beyond Particle-Matter Hierarchy" (2013.3.4-6, Tohoku University, Sendai, Japan)</p> <p>Talk-title: "The Moment when art becomes the art --on the Problem of the relationship between art and history and human-being in Heidegger's Philosophy"</p>
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36.	Mar. 3-17, 2013	<p><b>Yang Jin Min</b> (Particle Physics, Professor) Institute of Theoretical Physics, Chinese Academy of Sciences, Beijing,</p>

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		Research meeting on LHC collider physics (2013.3.3-17, Tohoku University, Sendai, Japan)
37.	Mar. 12-15, 2013	<b>Eiichiro Komatsu</b> (Astrophysics, Professor/Director) Max-Planck-Institut für Astrophysik, Germany Lecture-title: "To study as a director of Max-Planck Institute for Astrophysics" (2013.3.12, Tohoku University, Sendai, Japan)
38.	Mar. 16-18, 2013	<b>Takashi Sakai</b> (Mathematics, Associate Prof.) Tokyo Metropolitan University, Japan
39.	Mar. 16-18, 2013	Yoshihiro Ohnita (Mathematics, Professor) Osaka City University, Japan

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