# Poster Presentations

| PO no. | Title / Name |
|---|---|
| 1. | **Risk perception and the media**<br>Masaru Yonehara (Philosophy, D3, Tohoku Univ.) |
| 2. | **Applying the Research Program Theory for Elucidation of the Notion of Scientific Literacy**<br>Mariko Nihei (Philosophy, D3, Tohoku Univ.) |
| 3. | **Science and its ontological genesis**<br>Tetsurou Yamashita (Philosophy, D3, Tohoku Univ.) |
| 4. | **Conflict between cultures of the Humanism and the Enlightenment in the age of German-idealism**<br>Fukuko Abe (Philosophy, D3, Tohoku Univ.) |
| 5. | **An Interface between Science - Technology and Society：Evaluation and Acceptance of Risk**<br>Yasuhiko Fujio (Philosophy, D3, Tohoku Univ.) |
| 6. | **Technology and environmental movement**<br>Takuma Obara (Philosophy, D2, Tohoku Univ.) |
| 7. | **Nature and Technics from a philosophical view point**<br>**- Work as an act of transformation of human nature through technics**<br>Ryozo Suzuki (Philosophy, D3, Tohoku Univ.) |
| 8. | **Chemical abundances of the Milky Way outer halo**<br>Miho Ishigaki (Astronomy, D2, Tohoku Univ.) |
| 9. | **The mechanism of suppressed dynamical friction in a constant density core of dwarf galaxies**<br>Shigeki Inoue (Astronomy, D1, Tohoku Univ.) |
| 10. | **CMB bispectrum from the 2nd-order Boltsmann equations**<br>Daisuke Nitta (Astronomy, D2, Tohoku Univ.) |
| 11. | **Light curves by spots on rapidly rotating relativistic neutron stars**<br>Kazutoshi Numata (Astronomy, D2, Tohoku Univ.) |
| 12. | **Evolution of a Galactic Disk in Hierarchical Merging of Dark Halos**<br>Hirohito Hayashi (Astronomy, D3, Tohoku Univ.) |
| 13. | **Applications of strong gravitational lensing to cosmological issues**<br>Akiko Matsumoto (Astronomy, D3, Tohoku Univ.) |
| 14. | **G band resonance Raman spectra of single-wall carbon nanotubes**<br>Jin Sung Park (Physics, PhD, Tohoku Univ.) |
| 15. | **Gamma-ray spectroscopy of $^{9}_{\Lambda}$Be : B(E2) measurement of cluster-like hypernuclei**<br>Kotaro Shirotori (Physics, D2, Tohoku Univ.) |
| 16. | **High Resolution and High Statistics Hypernuclear Spectroscopy by the (e,e'K+) reaction**<br>**(JLab E01-011 experiment)**<br>Akihiko Matsumura (Physics, D3, Tohoku Univ.) |

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| 17. | **The effect of NaCl on main phase transition of DMPG**<br>Atsuji Kodama (Physics, D3, Tohoku Univ.) |
| 18. | **Orbital ordered states in $R$VO$_3$($R$=Y, Tb) studied by a resonant x-ray scattering**<br>Daisuke Bizen (Physics, D3, Tohoku Univ.) |
| 19. | **Fission and weak processes of neutron-rich nuclei at finite temperatures relevant to r-process nucleosynthesis**<br>Futoshi Minato (Physics, D3, Tohoku Univ.) |
| 20. | **Investigation of the n($\gamma$, K$^0$)$\Lambda$ reaction in the threshold region**<br>Kenta Futatsukawa (Physics, D3, Tohoku Univ.) |
| 21. | **Construction of a large solid angle electro-magnetic calorimeter system FOREST at LNS Sendai**<br>Koutaku Suzuki (Physics, D3, Tohoku Univ.) |
| 22. | **Dissipative Particle Dynamics Study for Viscoelastic Properties of Wormlike Micellar System**<br>Masatoshi Toda (Physics, D3, Tohoku Univ.) |
| 23. | **Magnetic control of crystal chirality and gigantic magneto-chiral effect in CuB$_2$O$_4$**<br>Mitsuru Saito (Physics, D3, Tohoku Univ.) |
| 24. | **Construction of a Cryogenic H2/D2 Target for a 4$\pi$ EM Calorimeter FOREST**<br>Ryo Hashimoto (Physics, D3, Tohoku Univ.) |
| 25. | **Optical phase measurement of metamaterial by Mach-Zehnder interferometer**<br>Ryosuke Watanabe (Physics, D3, Tohoku Univ.) |
| 26. | **Axionic Mirage Mediation**<br>Shuntaro Nakamura (Physics, D3, Tohoku Univ.) |
| 27. | **Analysis of transmission line metamaterials at optical wavelength**<br>Takeshi Baba (Physics, D3, Tohoku Univ.) |
| 28. | **Proton elastic scattering of light unstable nuclei $^9$C at 300 MeV**<br>Yohei Matsuda (Physics, D3, Tohoku Univ.) |
| 29. | **Measurements of nuclear magnetic moments of isomeric states in neutron rich nuclei**<br>Yuji Miyashita (Physics, D3, Tohoku Univ.) |
| 30. | **Role of deformation in neutron radiative capture reaction of C-12**<br>Akihiro Suda (Physics, D2, Tohoku Univ.) |
| 31. | **Ultrafast THz spectroscopy of photo-induced insulator to metal transition in charge ordered organic conductor $\alpha$-(BEDT-TTF )$_2$I$_3$**<br>Hideki Nakaya (Physics, D2, Tohoku Univ.) |
| 32. | **Effect of the Ring-Exchange Interaction in Mott Insulators with Orbital Degree of Freedom**<br>Joji Nasu (Physics, D1, Tohoku Univ.) |
| 33. | **Effect of static magnetic field on biomembrane morphology and dynamics**<br>Kouya Tamatsukuri (Physics, D2, Tohoku Univ.) |
| 34. | **Detection of low energy solar neutrino with KamLAND**<br>Kyohei Nakajima (Physics, D2, Tohoku Univ.) |

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| 35. | **Selective rotation of electric polarization direction in magneto electric multiferroic $TbMnO_3$**<br>Nobuyuki Abe (Physics, D2, Tohoku Univ.) |
| 36. | **Photo-induced voltage due to circularly polarized light in 2D metallic photonic crystal slabs**<br>Takafumi Hatano (Physics, D2, Tohoku Univ.) |
| 37. | **Background Estimation for $^8$B Solar Neutrino Observation with KamLAND**<br>Yoshiaki Kibe (Physics, D2, Tohoku Univ.) |
| 38. | **Development of data processing software package and Single Crystal Structure Analysis by Neutron 2D-PSD**<br>Yoshihisa Ishikawa (Physics, D2, Tohoku Univ.) |
| 39. | **Study of multi-component system in polymer electrolyte by 2-dimensional 1H DOSY-NMR**<br>Yoshiki Iwai (Physics, D2, Tohoku Univ.) |
| 40. | **Subaru Deep Narrow-band Survey of the Proto-Cluster region at Redshift z=3.1**<br>Yuki Nakamura (Physics, D2, Tohoku Univ.) |
| 41. | **Geo neutrinos with KamLAND**<br>Yuri Shimizu (Physics, D2, Tohoku Univ.) |
| 42. | **Double Chooz experiment**<br>Hiroshi Tabata (Physics, D1, Tohoku Univ.) |
| 43. | **Spectroscopic z~3LBG survey on SSA22**<br>Katsuki Kousai (Physics, D1, Tohoku Univ.) |
| 44. | **Hypernuclear gamma-ray spectroscopy experiments at J-PARC**<br>Kenji Hosomi (Physics, D1, Tohoku Univ.) |
| 45. | **Ionic conductivity in super cooled liquid state of $LiI\text{-}6H_2O$**<br>Reiji Takekawa (Physics, D1, Tohoku Univ.) |
| 46. | **Order formation on scale-free networks**<br>Sho Furuhashi (Physics, D1, Tohoku Univ.) |
| 47. | **Ground state phase diagram of graphene in a high Landau level**<br>Tatsuya Higashi (Physics, D1, Tohoku Univ.) |
| 48. | **Superconducting phase diagram of noncentrosymmetric heavy-fermion superconductor $CeRhSi_3$**<br>Tetsuya Sugawara (Physics, D1, Tohoku Univ.) |
| 49. | **Study of the CP-violating angle phi3 using B->DK decay / Development of SOI pixel detector**<br>Yasuyuki Horii (Physics, D1, Tohoku Univ.) |
| 50. | **Photo-induced effects in strongly correlated electron system**<br>Yu Kanamori (Physics, D1, Tohoku Univ.) |
| 51. | **f electron nature in $Ce_xLa_{1-x}Ru_2Si_2$ and $CeRu2(Si_{1-x}Ge_x)_2$ systems**<br>Yuji Matsumoto (Physics, D1, Tohoku Univ.) |
| 52. | **Fast Neutron Background for Reactor Neutrino**<br>Yukie Minekawa (Physics, D1, Tohoku Univ.) |

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| 53. | **R&D for double beta decay experiment in KamLAND**<br>Azusa Terashima (Physics, M2, Tohoku Univ.) |
| 54. | **Directional measurement of anti-neutrinos**<br>Hiroko Watanabe (Physics, M2, Tohoku Univ.) |
| 55. | **Optical Measurement of ν=2/3 Fractional Quantum Hall System**<br>Junichiro Hayakawa (Physics, M2, Tohoku Univ.) |
| 56. | **Modification of multipole order in $PrRu_4P_{12}$ by Rh substitution**<br>Kotaro Saito (Physics, M2, Tohoku Univ.) |
| 57. | **Search for Variable objects at high redshift**<br>Nana Morimoto (Physics, M2, Tohoku Univ.) |
| 58. | **Dead-time Free electronics for CNO Solar Neutrino observation in KamLAND**<br>Yasuhiro Takemoto (Physics, M2, Tohoku Univ.) |
| 59. | **Ge detector development for the Hyperball-J array: hypernuclear γ-ray spectroscopy experiment at J-PARC**<br>Takeshi Yamamoto (Physics, M1, Tohoku Univ.) |
| 60. | **Impurity effect on orbital ordering studied by impurity resonant x-ray scattering**<br>Yuki Yamaki (Physics, M1, Tohoku Univ.) |
| 61. | **Some integrability estimates of the solution for *N*-Laplace equations**<br>Norisuke Ioku (Mathematics, D1, Tohoku Univ.) |
| 62. | **Well-posedness for Navier-Stokes equations in modulation spaces**<br>Tsukasa Iwabuchi (Mathematics, D1, Tohoku Univ.) |
| 63. | **The soul conjecture for Riemannian orbifolds**<br>Naoki Oishi (Mathematics, D2, Tohoku Univ.) |
| 64. | **Bubbling phenomena for harmonic maps**<br>Toshiaki Omori (Mathematics, D1, Tohoku Univ.) |
| 65. | **Asymptotic energy concentration in the phase space of the weak solutions to the Navier-Stokes equations**<br>Takahiro Okabe (Mathematics, D1, Tohoku Univ.) |
| 66. | **Asymptotics of Hele-Shaw flows injected from many points**<br>Michiaki Onodera (Mathematics, D2, Tohoku Univ.) |
| 67. | **Higher Chow groups and *K*-theory of complete regular local rings**<br>Yuki Kato (Mathematics, D3, Tohoku Univ.) |
| 68. | **Large time behavior of solutions for the heat equation with a nonlinear boundary condition**<br>Tatsuki Kawakami (Mathematics, D3, Tohoku Univ.) |
| 69. | **2-adic arithmetic-geometric mean and elliptic curves**<br>Kensaku Kinjo (Mathematics, D1, Tohoku Univ.) |
| 70. | **On Galois cohomology of ExE**<br>Daigo Konno (Mathematics, D3, Tohoku Univ.) |

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| 71. | **Forward Self-Similar Solution with a Moving Singularity for a Semilinear Parabolic Equation**<br>Shota Sato (Mathematics, D3, Tohoku Univ.) |
| 72. | **On the study of algebraic varieties via vector bundles**<br>Tadakazu Sawada (Mathematics, D1, Tohoku Univ.) |
| 73. | **Global existence and blow-up of solutions for a systems of nonlinear damped wave equations**<br>Hiroshi Takeda (Mathematics, D2, Tohoku Univ.) |
| 74. | **Property (T) for uniformly convex uniformly smooth Banach spaces**<br>Mamoru Tanaka (Mathematics, D2, Tohoku Univ.) |
| 75. | **$L^p$-independence of Growth Bounds of Generalized Feynaman-Kac Semigroups**<br>Yoshihiro Tawara (Mathematics, D3, Tohoku Univ.) |
| 76. | **Stark-Shintani conjecture on certain real quadratic fields**<br>Toshihide Doi (Mathematics, D1, Tohoku Univ.) |
| 77. | **The pattern formation by a regeneration model for hydra**<br>Madoka Nakayama (Mathematics, D1, Tohoku Univ.) |
| 78. | **The Descent Maps of Elliptic Curves and Their Applications**<br>Tadahisa Nara (Mathematics, D3, Tohoku Univ.) |
| 79. | **Decomposition of a meromorphic function into a sum of periodic functions**<br>Takanao Negishi (Mathematics, D1, Tohoku Univ.) |
| 80. | **Picard's little theorem and Weak-Riemann mapping theorem in weak second order arithmetic**<br>Yoshihiro Horihata (Mathematics, D1, Tohoku Univ.) |
| 81. | **Harnack estimates for some nonlinear parabolic equation related to the mean curvature flow**<br>Masashi Mizuno (Mathematics, D2, Tohoku Univ.) |
| 82. | **Large time behavior of solution to the plasma dynamics model in the whole space**<br>Masakazu Yamamoto (Mathematics, D2, Tohoku Univ.) |
| 83. | **Measure Concentration and Ricci Curvature**<br>Masayoshi Watanabe (Mathematics, D3, Tohoku Univ.) |
| 84. | **Development of Readout ASIC for FPCCD Vertex Detector at ILC**<br>Kennnosuke Itagaki (Physics, M1, Tohoku Univ.) |
| 85. | **Development of Readout ASIC for Pair Monitor at ILC**<br>Yutaro Sato (Physics, M1, Tohoku Univ.) |
| 86. | **Development of Beam Splitting Etalon for Neutron Interference Experiment**<br>Zenmei Suzuki (Physics, M1, Tohoku Univ.) |