

International Symposium on “Physics and Astronomy of Neutron Stars and Supernovae”

Symposium will be held in the **Lecture Room in Main Building (North)**.

22nd, June 2015 (Monday)

T. Kajino : Opening

09:40-10:40(50+10) J. Lattimer “Neutron Matter, the Maximum Mass, and Neutron Star Radii”

10:40-11:25(40+5) H. Sotani “Neutron star oscillations and equation of state”

11:25-11:50(20+5) T. Yamazaki “Lambda* (or $K^{\wedge}p$) matter as possible constituents of Dark Matter”

11:50-13:00(70) Lunch

13:00-14:00(50+10) G. Mathews “Neutrinos and nucleosynthesis in core-collapse supernovae”

14:00-14:45(40+5) T. Takiwaki “How equation of state affects explosions of core-collapse supernovae”

14:45-15:00(15) Coffee break

15:00-15:25(20+5) S. Furusawa “Equations of State at Sub-Nuclear Densities and Weak Interactions in Supernovae”

15:25-15:50(20+5) H. Togashi “Equation of state for nuclear matter in core-collapse supernovae with realistic nuclear forces”

15:50-16:00(10) Coffee break

16:00-17:00(50+10) F. Thielemann “The role of fission in r-process environments”

17:00-17:25(20+5) S. Shibagaki “The fission-recycling r-process”

17:25-17:50(20+5) T. Maruyama “Pion Production from Proton Synchrotron Radiation under Strong Magnetic Fields in Relativistic Quantum Mechanical Approach”

18:30- Conference Dinner @Pappa Pasta (~21:30)

23rd, June 2015 (Tuesday)

09:30-10:05(30+5) K. Kyutoku “Dynamical mass ejection from black hole-neutron star binaries”

10:05-10:30(20+5) K. Ono “New estimation method for mass of an isolated neutron star using gravitational waves”

10:30-10:55(20+5) M. Yamanaka “Optical and Near-Infrared Observations of Peculiar SNe Ia with OISTER”

10:55-11:10(15) Coffee break

11:10-11:35(20+5) K. Masuda “Hadron-Quark Crossover and Hot Neutron Stars at Birth”

11:35-12:00(20+5) Y. Yamamoto “Hyperon mixing in neutron-star matter”

12:00-13:10(70) Lunch

13:10-13:45(30+5) T. Tatsumi “FFLO state of neutron superfluidity in the crust of magnetars (tentative)”

13:45-14:10(20+5) T.-G. Lee “Stability of inhomogeneous chiral condensed quark matter”

14:10-14:25(15) Coffee break

14:25-14:50(20+5) R. Yoshiike “Magnetic properties of quark matter in the inhomogeneous chiral phase”

14:50-15:15(20+5) K. Yanase “Deformed neutron stars due to strong magnetic field in terms of relativistic mean field theories”

15:15-15:40(20+5) Y. Motohiro “Asymmetric Matter in a Parity Doublet Model with Hidden Local Symmetry”

H. Sotani : Closing