

GRB Workshop 2015

Time Table : 2015.08.31

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9:30-10:00 Registration

10:00-10:05 Opening Address

10:00-12:30 Morning Session

10:05-10:40 (30+5) Masanori Ohno (Hiroshima U.) Fermi & GRB

10:45-11:10 (20+5) Motoko Serino (RIKEN) MAXI Mission

11:15-11:50 (30+5) Kawabata Koji (Hiroshima U.) Optical and NIR observation of
GRB afterglows

11:55- 12:20 (20+5) Hirotaka Ito (RIKEN) Photospheric emission from GRB jets

12:20-14:00 Lunch

14:00-15:30 Afternoon Session 1

14:00-14:25 (20+5) Don Warren (RIKEN) Efficient Shock Acceleration of Ions &
Electrons in the Afterglow Phase of GRBs

14:30-15:05 (30+5) Magnus Axelsson (TMU): Photospheric emission & SPHiNX

15:10-15:25 (12+3) Yasuaki Kagawa (Kanazawa U.) Systematical analyses of extended
emissions

15:25-15:50 Coffee Break

15:50-17:30 Afternoon Session 2

15:50-16:05 (12+3) Akihiro Suzuki (Kyoto U.) Successful/failed GRB jets and explosive
nucleosynthesis

16:05-16:20 (12+3) Yukari Ohtani (RESCEU) Radiative transfer calculations of
ultra-relativistic shock breakout in circumstellar medium

16:20-16:35 (12+3) Tatsuya Sawano (Kanazawa U.) Development of Silicon-based X-ray
Transient Monitor onto a Microsatellite

16:35-17:00 (20+5) Tomohide Wada (RIKEN) Global MHD simulation for asymmetric
magnetic reconnection

17:05-17:30 (20+5) Yuto Teraki (RIKEN) Particle acceleration in superluminal strong
Waves Plasmas

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9:00-10:35 Morning Session 1

9:00-9:25 (20+5) Maria Dainotti (Stanford Univ.) GRB cosmology

9:30-9:55 (20+5) Daisuke Yonetoku (Kanazawa U.) High-z Gamma-ray bursts for
Unraveling the Dark Ages Mission (HiZ-GUNDAM)

10:00-10:35 (30+5) Tomonori Totani (U. Tokyo) GRBs as a Reionization Probe

10:35-11:10 Coffee Break

11:10-12:25 Morning Session 2

11:10-11:45 (30+5) Miguel Aloy (U. Valencia) GRB Jets

11:50-12:25 (30+5) Kenji Toma (Tohoku U.) GRB Polarization

12:25-14:00 Lunch

14:00-15:30 Afternoon Session 1

14:00-14:25 (20+5) Maxim Barkov (RIKEN) Close binary progenitors of gamma-ray
bursts and hypernovae

14:30-14:45 (12+3) Matsumoto Tatsuya (Kyoto U.) Can direct collapse black hole launch
gamma-ray bursts?

14:45-15:00 (12+3) Hamid Hamidani (U. Tokyo) How does the central engine duration
influence the properties of Gamma-Ray Bursts relativistic jets?

15:00-15:15 (12+3) Kazem Ardaneh (Tsukuba U.) Collisionless Weibel shocks and
electron acceleration in gamma-ray bursts

15:15-15:30 (12+3) Taka Kajino (NAOJ) Solving the Coalescence Time-Scale Problem of
GRB R-process in Galactic Chemo-dynamics

15:30-16:00 Coffee Break

16:00-17:40 Afternoon Session 2

16:00-16:35 (30+5) Makoto Tashiro (Saitama U.) Future Observation of Gamma-ray
Bursts and their Afterglows with ASTRO-H

16:40-16:55 (12+3) Tetsuya Hashimoto (NAOJ) The Star Formation Rate and
Metallicity of the Host Galaxy of the Dark GRB 080325 at $z=1.78$

16:55-17:10 (12+3) Yuu Niino (NAOJ) Complete Metallicity Measurements of Long GRB
Host Galaxies at Low-Redshifts

17:10-17:50 総合討論会 (in Japanese)

18:00-20:00 Banquet

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9:00-10:35 Morning Session 1

9:00-9:25 (20+5) Shinya Wanajo (RIKEN) The r-process and electromagnetic emission
from neutron star mergers

9:30-9:55 (20+5) Koutarou Kyutoku (RIKEN) Compact binary progenitors of
short-hard gamma-ray bursts

10:00-10:35 (30+5) Simone Dall'Osso (University of Tübingen): Gravitational Waves
from binary NS mergers

10:35-11:10 Coffee Break

11:10-12:40 Morning Session 2

11:10-11:35 (20+5) Susumu Inoue (RIKEN) High-Energy Emission from GRBs:
Challenges and Prospects

11:40-11:55 (12+3) Norita Kawanaka (U. Tokyo) Hyperaccretion Flow as a Central
Engine of Gamma-ray Bursts

11:55-12:10 (12+3) Sara Tomita (AGU) Weible instability in anisotropically
inhomogeneous

12:10-12:25 (12+3) Katsutoshi Takaki (Hiroshima U.) Optical Polarimetry of GRB
Afterglows

12:25-12:40 (12+3) Yoshitaka Mizumura (Kyoto U.) Real Imaging trigger for GRBs by
Electron Tracking Compton Camera with a well-fined PSF

12:40-14:00 Lunch

14:00-16:00 Afternoon Session 1

14:00-14:35 (30+5) (Skype) Xiang-Yu Wang (Nanjing U.) High-Energy Emissions from
GRBs

14:40-15:15 (30+5) Atsumasa Yoshida (AGU) CALET+GBM

15:15-15:20 Closing Remarks & Awards for Oral/Poster Presentations

Poster:

Makoto Arimoto (TIT) Hard X-ray Monitor for a transient monitor mission

Bunyo Hatsukade (NAOJ) Molecular Gas Observations of the Host Galaxies of GRBs

Ayako Ishii (Tohoku U.) Preliminary Study for a Coupling of Radiative Transfer with
Relativistic Hydrodynamics Computation Relevant to GRB

Miyu Masuyama (RESCEU) Numerical calculations of magnetar powered Supernova

Yoshida Kazuki (Kanazawa U.) HiZ-GUNDAM および超小型衛星に向けた高増幅率アナ
ログ集積回路の開発