

Program of the EUL GRB Workshop 2013

“Gamma-Ray Bursts: New Missions to New Science”

Monday, October 07, 2013

08:30-10:00 Registration of the participants

10:00 – 10:10 Welcome by MSU representative - V.I. Savrin, Vice-Director of SINP, MSU

10:10 – 10:20 Welcome and Introduction - G.F. Smoot

10:20 – 11:15 “Radiative transfer and photospheric emission in gamma-ray burst jets”
(45'+10') Indrek Vurm

11:15 – 11:30 Coffee Break

11:30 – 12:25 “New results on the Gamma-Ray Burst Supernova connection”
(45'+10') David A. Kann

12:30 – 13:25 “Possibility of Electron tracking Compton camera for seeking deep Universe in
MeV gamma-ray band”
(45'+10') Toru Tanimori

13:30 – 14:30 Lunch

14:30 – 15:25 “Gamma-Ray Bursts with the mission of UFFO/Lomonosov”
(45'+10') Il Park

15:30 – 16:25 “Relativistic explosions with Palomar Transient Factory”
(45'+10') Leo Singer

16:30 – 17:00 Coffee Break

17:00 – 18:25 “Numerous optical transients discovered by MASTER-Net”
(45'+10') Denis Denisenko

18:30 – 20:30 Welcome party

Tuesday, October 08, 2013

09:30 – 10:25 “Measuring cosmological parameters with Gamma-Ray Bursts”
(45'+10') Lorenzo Amati

10:30 – 11:25 “Radiation mechanisms for relativistic jets in Gamma-Ray Bursts”
(45'+10') Evgenij Derishev

11:30 – 12:00 Coffee Break

12:00 – 12:55 “Photospheric emission from radiation mediated shocks in GRBs”
(45'+10') Amir Levinson

13:00 – 14:30 Lunch

14:30 – 15:25 “Broad band chirp spectra in long GRBs”
(45'+10') Maurice van Putten

15:30 – 16:25 “Low luminosity GRBs as a different class and shock breakout events”
(45'+10') Ehud Nakar

16:30 – 17:00 Coffee Break

17:00 Public Lecture, G.F. Smoot

Wednesday, October 09, 2013

09:30 – 10:25 “Macronova and Short GRBs”
(45' + 5') Tsvi Piran

10:30 – 11:25 “Recent advances in understanding of GRB emission mechanism”
(45'+10') Pawan Kumar

11:30 – 12:00 Coffee Break

12:00 – 12:55 “Spectral evolution in GRBs: confronting the predictions of the internal shock
model with observations in the Fermi era”
(45'+10') Zeljka Bosnjak

13:00 – 14:30 Lunch

14:30 – 15:25 “The Nuclear Compton Telescope”
(45'+10') Andreas Zoglauer

15:30 – 16:25 “Polarization observations with the MASTER Global Robotic Net”
(45'+10') Maria Pruzhinskaya

16:30 – 17:00 Coffee Break

17:00 – 17:55 “Polarization measurements for GRBs”
(45'+10') Sergej Svertilov

Thursday, October 10, 2013

09:30 – 10:25 “High-redshift GRB hosts as cosmological tool”
(45'+10') Umberto Maio

10:30 – 11:25 “Dark Gamma-Ray Bursts and their Host Galaxies”
(45'+10') Alina Volnova

11:30 – 12:00 Coffee Break

12:00 – 12:55 “GRB prompt observations on MASTER telescope robotic network”
(45'+10') Evgenij Gorbovskoj

13:00 – 14:30 Lunch

14:30 – 15:25 “Testing a two-jet model of short Gamma-Ray Bursts”
(45'+10') Alexei Pozanenko

15:30 – 16:25 “Rapid TeV and GeV variability in AGNs as result of Jet-Star interaction”
(45'+10') Maxim Barkov

16:30 – 16:45 Coffee Break

16:45 – Bus from SINP to Social Dinner

Friday, October 11, 2013

10:00 – 10:55 “Timing properties of Gamma-Ray Bursts detected by SPI-ACS detector
onboard of INTEGRAL”
(45'+10') Volodymyr Savchenko

11:00 – 11:30 Coffee Break

11:30 – 12:25 “Galaxy clusters with dark energy”
(45'+10') Gennady Bisnovatyi-Kogan

12:30 – 12:55 “Jet propagation within the Collapsar model”
(45'+10') Omer Bromberg

13:00 – 14:30 Lunch

14:30 – 15:25 “Small, faster, better rapid-Optical/IR instruments for new GRB science”
(45'+10') Bruce Grossan

15:30 – 16:00 Coffee Break

16:00 – 16:55 “GRB spectral evolution: from complex profile to basic structure”
(45'+10') Pavel Minaev

17:00 – 17:15 “Final remarks”
Anatoli Iyudin

17:20 Adjourn