

Physics of Relativistic Flows



Report of Contributions

Contribution ID: **250**

Type: **not specified**

coffee discussion

Monday, May 4, 2009 10:30 AM (40 minutes)

Contribution ID: **251**

Type: **not specified**

coffee discussion

Monday, May 4, 2009 3:15 PM (40 minutes)

Contribution ID: 252

Type: **not specified**

coffee discussion

Tuesday, May 5, 2009 10:30 AM (40 minutes)

Contribution ID: 254

Type: **not specified**

Gamma-ray binary systems

Wednesday, May 6, 2009 3:15 PM (1 hour)

NORDITA seminar

Primary author: Dr KHANGULYAN, Dmitry (Max-Planck-Institute for Nuclear Physics)

Presenter: Dr KHANGULYAN, Dmitry (Max-Planck-Institute for Nuclear Physics)

Contribution ID: 255

Type: **not specified**

coffee discussion

Wednesday, May 6, 2009 10:30 AM (40 minutes)

Contribution ID: 256

Type: **not specified**

First Fermi results on cosmic ray electrons + intepretation

Tuesday, May 5, 2009 1:15 PM (1 hour)

OKC seminar

Primary authors: CONRAD, Jan; EDSJÖ, Joakim

Presenters: CONRAD, Jan; EDSJÖ, Joakim

Contribution ID: 257

Type: **not specified**

A Role and a Structure of the Magnetic Field in Jets, Hotspots and Lobes of Radio Galaxies

Thursday, May 7, 2009 1:15 PM (1 hour)

Nordita seminar

Primary author: Dr STAWARZ, Lukasz (Stanford University)

Presenter: Dr STAWARZ, Lukasz (Stanford University)

Contribution ID: 259

Type: **not specified**

Gamma-ray bursts as cosmological probes

Monday, May 11, 2009 3:15 PM (1 hour)

Nordita seminar

Primary author: Dr GHIRLANDA, Giancarlo (INAF - Osservatorio Astron. di Brera, Italy)

Presenter: Dr GHIRLANDA, Giancarlo (INAF - Osservatorio Astron. di Brera, Italy)

Contribution ID: 260

Type: **not specified**

Gamma-ray burst outflows and early afterglows

Wednesday, May 13, 2009 3:15 PM (1 hour)

Primary author: Dr KOBAYASHI, Shiho (Liverpool John Moores Univ., UK)

Presenter: Dr KOBAYASHI, Shiho (Liverpool John Moores Univ., UK)

Contribution ID: 261

Type: **not specified**

Relativistic reconfinement shocks

Thursday, May 14, 2009 1:15 PM (1 hour)

Primary author: Mr NALEWAJKO, Krzysztof (CAMK, Warsaw, Poland)

Presenter: Mr NALEWAJKO, Krzysztof (CAMK, Warsaw, Poland)

Contribution ID: **262**

Type: **not specified**

coffee discussion

Friday, May 8, 2009 3:15 PM (30 minutes)

Contribution ID: **263**

Type: **not specified**

coffee discussion

Monday, May 11, 2009 10:30 AM (45 minutes)

Contribution ID: **264**

Type: **not specified**

coffee discussion

Tuesday, May 12, 2009 10:30 AM (45 minutes)

Contribution ID: 265

Type: **not specified**

Using Galaxy Clusters as a Dark Energy Probe

Tuesday, May 12, 2009 1:15 PM (1 hour)

OKC seminar

Primary author: LIDMAN, Chris (European Southern Observatory)

Presenter: LIDMAN, Chris (European Southern Observatory)

Contribution ID: **266**

Type: **not specified**

coffee discussion

Wednesday, May 13, 2009 10:30 AM (45 minutes)

Contribution ID: 267

Type: **not specified**

Hard blazar spectra due to internal photon-photon absorption

Contribution ID: **269**

Type: **not specified**

Eta Carinae: an astrophysical laboratory

Friday, May 15, 2009 10:30 AM (1 hour)

Astronomy colloquium

Presenter: HARTMAN, Henrik (Lund university)

Contribution ID: 270

Type: **not specified**

coffee discussion

Friday, May 15, 2009 3:15 PM (45 minutes)

Contribution ID: 271

Type: **not specified**

social dinner

Friday, May 15, 2009 7:00 PM (2 hours)

dinner

Contribution ID: 272

Type: **not specified**

A model of the TeV flare of Cygnus X-1: electron acceleration and extended pair cascades

Tuesday, May 19, 2009 10:30 AM (45 minutes)

Primary author: Dr ZDZIARSKI, Andrzej

Presenter: Dr ZDZIARSKI, Andrzej

Contribution ID: 273

Type: **not specified**

coffee discussion

Monday, May 18, 2009 10:30 AM (45 minutes)

Contribution ID: 274

Type: **not specified**

The peculiar X-ray binary Cygnus X-3

Monday, May 18, 2009 3:15 PM (1h 30m)

Nordita seminar

Primary author: ZDZIARSKI, Andrzej (CAMK, Warsaw, Poland)

Presenter: ZDZIARSKI, Andrzej (CAMK, Warsaw, Poland)

Contribution ID: 275

Type: **not specified**

Physics and observations of the extragalactic jets

Tuesday, May 19, 2009 1:15 PM (1h 30m)

OKC colloquium

Primary author: Dr STAWARZ, Lukasz

Presenter: Dr STAWARZ, Lukasz (Stanford University)

Contribution ID: 276

Type: **not specified**

coffee discussion

Wednesday, May 20, 2009 10:30 AM (45 minutes)

Contribution ID: 277

Type: **not specified**

Gravitational wave emission from neutron stars

Friday, May 15, 2009 1:15 PM (1 hour)

Nordita seminar

Primary author: JONES, Ian (University of Southampton)

Presenter: JONES, Ian (University of Southampton)

Contribution ID: 278

Type: **not specified**

Gravitational wave emission from neutron stars

Nordita seminar

Contribution ID: 279

Type: **not specified**

Constraints on the parameters of efficiently radiating relativistic jets

Wednesday, May 20, 2009 1:15 PM (1h 20m)

Nordita seminar

Primary author: Dr DERISHEV, Evgeny (Institute of Applied Physics, N. Novgorod, Russia)

Presenter: Dr DERISHEV, Evgeny (Institute of Applied Physics, N. Novgorod, Russia)

Contribution ID: 280

Type: **not specified**

Signatures of a Thermal Component in Shock-Accelerated Electrons in GRBs

Friday, May 22, 2009 10:30 AM (1h 20m)

Nordita seminar

Primary author: Dr GIANNIOS, Dimitrios (Princeton University)

Presenter: Dr GIANNIOS, Dimitrios (Princeton University)

Contribution ID: 281

Type: **not specified**

High-Energy Emission from gamma-ray bursts: expectations and first results from the Fermi Gamma-ray Space Telescope

Monday, May 25, 2009 3:15 PM (1h 20m)

Nordita seminar

Primary author: Dr GRANOT, Jonathan (University of Hertfordshire, UK)

Presenter: Dr GRANOT, Jonathan (University of Hertfordshire, UK)

Contribution ID: 282

Type: **not specified**

Supercritical pile GRB model

Wednesday, May 27, 2009 10:00 AM (30 minutes)

Primary author: MASTICHIADIS, Apostolos

Presenter: MASTICHIADIS, Apostolos

Session Classification: Supercritical phenomena in relativistic flows

Contribution ID: 283

Type: **not specified**

On the role of neutral particles in generation of cosmic rays

Wednesday, May 27, 2009 10:30 AM (30 minutes)

Primary author: DERISHEV, Evgeny

Presenter: DERISHEV, Evgeny

Session Classification: Supercritical phenomena in relativistic flows

Contribution ID: 284

Type: **not specified**

Photon breeding in relativistic flows

Wednesday, May 27, 2009 11:30 AM (30 minutes)

Primary author: STERN, Boris (AstroSpace Centre, Lebedev Phys. Inst., Moscow)

Presenter: STERN, Boris (AstroSpace Centre, Lebedev Phys. Inst., Moscow)

Session Classification: Supercritical phenomena in relativistic flows

Contribution ID: 285

Type: **not specified**

Astrophysical implications of photon breeding mechanism

Wednesday, May 27, 2009 12:00 PM (30 minutes)

Primary author: POUTANEN, Juri (University of Oulu)

Presenter: POUTANEN, Juri (University of Oulu)

Session Classification: Supercritical phenomena in relativistic flows

Contribution ID: **286**

Type: **not specified**

discussion

Wednesday, May 27, 2009 12:45 PM (45 minutes)

Session Classification: Supercritical phenomena in relativistic flows

Contribution ID: **287**

Type: **not specified**

The gamma-ray burst outflow: hot or cold?

Thursday, May 28, 2009 1:15 PM (1h 20m)

Nordita seminar

Primary author: FAN, Yizhong (NBIA, Copenhagen)

Presenter: FAN, Yizhong

Contribution ID: 288

Type: **not specified**

Supernovae shock breakouts and their possible relation to gamma-ray bursts and X-ray flashes

Monday, June 8, 2009 3:15 PM (1h 20m)

Nordita seminar

Primary author: Prof. WAXMAN, Eli (Weizmann Institute)

Presenter: Prof. WAXMAN, Eli (Weizmann Institute)

Contribution ID: 289

Type: **not specified**

Black-Hole Jets of Ultrahigh Energy Cosmic Rays: Clues from Auger and Fermi

Friday, June 12, 2009 10:30 AM (1h 20m)

Astronomy Colloquium

Primary author: DERMER, Charles (U.S. Naval Research Laboratory)

Presenter: DERMER, Charles (U.S. Naval Research Laboratory)

Contribution ID: 290

Type: **not specified**

Automatic quenching of high energy gamma-ray sources by synchrotron photons

Wednesday, May 27, 2009 12:30 PM (15 minutes)

Primary author: STAWARZ, Lukasz

Presenter: STAWARZ, Lukasz

Session Classification: Supercritical phenomena in relativistic flows

Contribution ID: 291

Type: **not specified**

Conditions for launching of relativistic jets in GRBs

Tuesday, May 26, 2009 10:30 AM (20 minutes)

Primary author: BARKOV, Maxim

Presenter: BARKOV, Maxim

Contribution ID: 292

Type: **not specified**

Magnetic acceleration of relativistic jets

Thursday, May 28, 2009 10:30 AM (30 minutes)

Primary author: KOMISSAROV, Serguei

Presenter: KOMISSAROV, Serguei

Contribution ID: 293

Type: **not specified**

Supercritical phenomena in relativistic flows

Friday, May 29, 2009 10:00 AM (2h 30m)

Continuation of the discussion on supercritical phenomena in relativistic flows

Primary authors: STERN, Boris (AstroSpace Centre, Lebedev Phys. Inst., Moscow); POUTANEN, Juri (University of Oulu); STAWARZ, Lukasz

Presenters: STERN, Boris (AstroSpace Centre, Lebedev Phys. Inst., Moscow); POUTANEN, Juri (University of Oulu); STAWARZ, Lukasz

Contribution ID: 294

Type: **not specified**

Explaining anomalous PAMELA positron from regular supernova remnants in the Galactic Arms

Thursday, June 4, 2009 10:30 AM (1h 20m)

Primary author: PIRAN, Tsvi (Hebrew University)

Presenter: PIRAN, Tsvi (Hebrew University)

Contribution ID: 295

Type: **not specified**

Gamma-ray burst emission mechanisms

Friday, June 5, 2009 10:30 AM (2 hours)

Extended discussion

Primary author: POUTANEN, Juri (University of Oulu)

Presenter: POUTANEN, Juri (University of Oulu)

Contribution ID: 296

Type: **not specified**

Convective instability of relativistic, decelerating ejecta : an origin of magnetic fields in the early afterglow phase?

Wednesday, June 10, 2009 11:00 AM (1h 20m)

Primary author: LEVINSON, Amir (Tel Aviv University)

Presenter: LEVINSON, Amir (Tel Aviv University)

Contribution ID: 297

Type: **not specified**

Gamma-ray burst jets: multidimensional simulations and observational signatures

Thursday, June 11, 2009 10:30 AM (1h 20m)

Nordita seminar

Primary author: MACFADYEN, Andrew (New York University)

Presenter: MACFADYEN, Andrew (New York University)

Contribution ID: 298

Type: **not specified**

Local simulations of the magnetized KH-instability in neutron star mergers

Tuesday, June 9, 2009 10:30 AM (1h 20m)

Nordita seminar

Primary author: ALOY, Miguel Angel (University of Valencia)

Presenter: ALOY, Miguel Angel (University of Valencia)

Contribution ID: 299

Type: **not specified**

Hard blazar spectra due to internal photon-photon absorption

Thursday, May 14, 2009 10:30 AM (1h 20m)

Primary author: KHANGULYAN, Dmitry

Presenter: KHANGULYAN, Dmitry