

HIGH ENERGY PHENOMENA IN RELATIVISTIC OUTFLOWS II

Buenos Aires, Argentina, October 26-30, 2009

Program

Monday 26

08:00: Registration opens

08:45 – 09:00: Welcome

Morning Session: Jets - basic issues and physical processes

09:00 – 09:45: Invited review I: Jets: open problems and challenges (A. Königl)

09:45 – 10:30: Invited review II: Recent progress in particle acceleration theory (L. Drury)

10:30 – 11:00: Coffee break

11:00 – 11:30: Invited talk 1: The jet/disk connection in black holes: phenomenology (I.F. Mirabel)

11:30 – 12:00: Invited talk 2: The jet/disk connection: theoretical aspects – GRMHD simulations of ultrarelativistic jets (J. McKinney)

12:00 – 12:30: Invited talk 3: Radiative processes in jets (G. Vila)

12:30 -15:00: Lunch break

Afternoon Session

15:00 – 15:20: Contributed talk 1: K. Nalewajko

15:20 – 15:40: Contributed talk 2: K-I. Nishikawa

15:40 – 16:00: Contributed talk 3: J.L. Gómez

16:00 – 16:20: Contributed talk 4: G. Matt

16:20 – 17:00: Coffee break

17:00 – 17:20: Contributed talk 5: L.J. Pellizza

17:20 – 17:40: Contributed talk 6: O. Porth

17:40 – 18:00: Contributed talk 7: R. Moll

18:00 – 18:20: Contributed talk 8: J. Niemiec

19:30: Welcome cocktail at Tango Porteño

20:15: Diner with Tango Show (voucher required)

Tuesday 27

09:00 – 09:45: Invited review: Jets on all scales (A. Levinson)

Morning Session: I. Multiwavelength jet emission

09:45 – 10:15: Invited talk 1: Multiwavelength aspects of relativistic jets in AGNs (L. Stawarz)

10:15 – 10:45: Invited talk 2: Synchrotron and IC jet emission in quasars (Y. Uchiyama)

10:45 – 11:30: Coffee break

II. Galactic jets and outflows

11:30 – 12:30: Invited talk 3: MHD processes at the jet base (E. Gouveia Dal Pino)

12:30 – 13:00: Invited talk 4: Microquasar jet models (D. Khangulyan)

13:00 -15:00: Lunch break

Afternoon Session: New observational results

15:00 – 15:20: Contributed talk 1 (VERITAS presentation – Trevor Weekes)

15:20 – 15:40: Contributed talk 2 (HESS presentation – U. Barres de Almeida)

15:40 – 16:00: Contributed talk 3 (MAGIC presentation – J. Rico)

16:00 – 16:20: Contributed talk 4 (AGILE presentation – M. Tavani)

16:20 – 16:40: Contributed talk 5 (Auger presentation – D. Harari)

16:40 – 17:00: Contributed talk 6 (IceCube presentation – R. Abbasi)

17:00 – 17:30: Coffee break

Galactic jets and outflows (cont.)

17:30 – 17:50: Contributed talk 7: V. Bosch-Ramon

17:50 – 18:10: Contributed talk 8: A. Smith

18:10 – 18:30: Contributed talk 9: H. Marshall

Wednesday 28

9:00 hs: Departure for the Excursion Day

Conference “Asado” (Banquet) at an “Estancia” in the countryside (Pampa).
Country activities

19:00 hs: Arrival at the hotels

Thursday 29

09:00 – 09:45: Invited review: Blandford-Znajek mechanism and relativistic jets (S. Komissarov)

Morning Session: I. Jet formation and interactions

09:45– 10:15: Invited talk 1: Magnetic acceleration of relativistic jets (R. Narayan)

10:15– 10:45: Invited talk 2: Physical conditions near accreting black holes (C. Reynolds)

10:45 – 11:30: Coffee break

11:30 – 12:00: Invited talk 3: Non-thermal processes in black hole coronae (J. Poutanen)

12:00 – 12:30: Invited talk 4: Can multiband observations constrain explanations for knotty jets? (D. Harris)

II. Relativistic pulsar winds

12:30 – 13:00: Invited talk 5: Pulsars and pulsar wind nebulae (J. Arons)

13:00 -15:00: Lunch break

Afternoon Session

15:00 – 15:20: Contributed talk 1: P. Mimica

15:20 – 15:40: Contributed talk 2: J. Malzac

15:40 – 16:00: Contributed talk 3: J. Rodriguez

16:00 – 16:20: Contributed talk 4: M. Perucho Pla

16:20 – 17:00: Coffee break

17:00 – 17:20: Contributed talk 5: Y. Mizuno

17:20 – 17:40: Contributed talk 6: M. Del Santo

17:40 – 18:00: Contributed talk 7: Z. Meliani

18:00 – 18:20: Contributed talk 8: N. Globus

Friday 30

09:00 – 09:45: Invited review: New insights into gamma-ray AGNs from the Fermi-LAT (B. Lott)

Morning Session: I. AGNs

09:45 – 10:15: Invited talk 1: Gamma-rays from AGNs (F. Tavecchio)

10:15 – 10:45: Invited talk 2: Ten years of TeV Gamma-ray observations of M87 (M. Beilicke)

10:45 – 11:30: Coffee break

II. GRBs

11:30 – 12:00: Invited talk 3: Overview of GRBs (A. Pozanenko)

12:30 – 13:00: Invited talk 4: GRBs: recent observational results (N. Gehrels)

13:00 – 13:30: Invited talk 5: Recent progress in GRB theory (B. Zhang)

13:30 -15:00: Lunch break

Afternoon Session

15:00 – 15:20: Contributed talk 1: H. Ito

15:20 – 15:40: Contributed talk 2: L. Costamante

15:40 – 16:00: Contributed talk 3: F. Massaro

16:00 – 16:20: Contributed talk 4: J.H. Fan

16:20 – 17:00: Coffee break

17:00 – 17:20: Contributed talk 5: M. Böttcher

17:20 – 17:40: Contributed talk 6: D. Schwartz

17:40 – 18:00: Contributed talk 7: M. Weidinger

18:00 – 18:20: Contributed talk 8: E. Troja

18:00: Farewell