

# ACCRETION AND EJECTION IN AGN: A GLOBAL VIEW

June 22-26, 2009 - Como, Italy

## Monday, June 22

8.30-9.15 Registration

9.15-9.30 Welcome

### 9.30: Super-Massive Black Holes: Mass and Spin Evolution

<u>G. Kauffmann</u>	(40m)	Differences between radio-loud and radio-quiet AGN: the view from SDSS
M. Colpi	(30m)	Binary black holes in gaseous circum-nuclear disks: linking spin and accretion to dynamics.
<u>M. Volonteri</u>	(30m)	Evolution of black hole spins.

Coffee Break

<u>M. Begelman</u>	(30m)	Supermassive stars and quasistars as BH precursors
N. Fanidakis	(20m)	AGN in hierarchical galaxy formation models
M. Labita	(15m)	Downsizing of supermassive black holes from the SDSS quasar survey: The RLQ-RQQ differentiation
D. Alexander	(20m)	Evidence for large-scale energetic outflows in $z \sim 2$ radio-quiet AGNs
H. Spoon	(15m)	Mid-IR kinematic evidence for outflows in ULIRGs

Lunch

### 14.30: Accretion and Outflows

<u>D. Proga</u>	(40m)	Dynamics of Accretion Flows and Outflows in AGN
K. Pounds	(20m)	How energetic are the fast ionised outflows in AGN?
J. Reeves	(20m)	Compton Thick Winds in Type I AGN
T.J. Turner	(20m)	New Results on the Importance of X-ray Absorption in AGN

Coffee Break

L. Miller	(20m)	Winds from AGN seen in X-ray absorption
V. Braito	(15m)	Gaining new insight on the absorbing matter in Seyfert 2 Galaxies
C.M. Gaskell	(20m)	Inflow of the Broad Line Region and Torus
D. Grupe	(15m)	The Big-Blue-Bump in Soft X-ray Selected AGN observed by Swift
J. Ferreira	(15m)	Jet Emitting Discs: a new accretion flow solution

## Tuesday, June 23

### 9.30: **Jets**

<u>R. Narayan</u>	(40m)	GRMHD simulations of jets formation
K. Ohsuga	(20m)	Global Radiation-MHD Simulations of Black Hole Accretion Flow and Outflow: Unified Model of Three States
K.I. Kellerman	(20m)	The Acceleration and Collimation of AGN Jets
Y.Y. Kovalev	(20m)	The relation between AGN gamma-ray emission measured by Fermi and parsec-scale radio jets

### Coffee Break

F. Yuan	(20m)	An MHD model for the formation of episodic jets
S.S. Lee	(15m)	Compact radio jets on sub-parsec scales
S. Buttiglione	(15m)	Optical spectroscopy of 3CR sources: accretion and jet launching in radio galaxies
F.K. Schinzel	(15m)	Three Decades of Very Long Baseline Interferometry Monitoring of the Parsec-Scale Jet in 3C 345
Poster session	(30m)	

### Lunch

### 14.30: **Jets: continued**

<u>A. Celotti</u>	(30m)	The Power of Jets
G. Fossati	(20m)	Blazar Demographics and Sequence with Fermi
T. Boutelier	(15m)	An inhomogeneous jet model for VHE emission from blazars
M. Georganopoulos	(20m)	How much light was produced since the Universe was born? Finally, a way to measure it

### Coffee Break

M. Guainazzi	(20m)	The X-ray view of compact radio galaxies: new clues on the origin of the radio power in the Universe
R. Sambruna	(20m)	The disk-jet connection in X-rays: Suzaku view of Broad-Line Radio Galaxies
M. Gliozzi	(20m)	PKS 0558-504: an ideal laboratory to study the accretion-ejection link
E. Trussoni	(20m)	Accretion and jet powers in low-power VCC radio galaxies
J. Malzac	(20m)	Jet disk coupling in black hole binaries

# Wednesday, June 24

## 9.30: News from the gamma-ray sky

<u>G. Tosti</u>	(30m)	Fermi/LAT observations of AGNs: First results
<u>M. Beilicke</u>	(30m)	AGN observations with VERITAS
<u>F. Volpe</u>	(30m)	Overview of the recent AGN observations with H.E.S.S.

Coffee Break

<u>D. Mazin</u>	(30m)	MAGIC observations of AGNs: scientific highlights
<u>S. Vercellone</u>	(30m)	Long-term gamma-ray and multiwavelength observations of 3C 454.3
<u>G. Ghisellini</u>	(30m)	The Fermi blazars' divide

Afternoon free

19.30: Social dinner

*Ristorante Imbarcadero – Piazza Cavour, Como*

# Thursday, June 25

## 9.30: News from the gamma-ray sky: continued

F. D'Ammando	(20m)	Not only once: the amazing gamma-ray activity of the blazar PKS 1510-089
L. Foschini	(20m)	Fermi/LAT discovery of gamma-ray emission from a relativistic jet in the Narrow-Line Quasar PMNJ0948+0022
L. Fuhrmann	(20m)	Fermi/LAT and multi-wavelength observations of quasar 3C 454.3 during the 2008 outburst
E. Bonning	(20m)	Correlated variability in the blazar 3C 454.3
S. Wagner	(20m)	The relationship between optical synchrotron and GeV gamma-ray variability in Blazars

Coffee Break

G. Madejski	(20m)	Fermi LAT measurements of blazar spectra and implications on the source 3C454.3
D. Paneque	(20m)	Fermi view of the classical TeV High Peak BL Lacs
M. Giroletti	(20m)	Radio emission from Fermi AGNs and its relation to the gamma-ray properties
Poster session	(30m)	

Lunch

## 14.30: Feed-back from AGN

<u>T. Heckman</u>	(40m)	The Co-Evolution of Bulges & Black Holes
<u>A. King</u>	(40m)	Black Hole Feedback in AGN
K. Schawinski	(20m)	Do AGN Suppress Star Formation?

Coffee Break

<u>A. Siemiginowska</u>	(40m)	Intermittent Activity of Jets in AGN
A.D. Kapinska	(20m)	Birth and evolution of radio galaxies
A. Socrates	(20m)	The Eddington Limit in Cosmic Rays
A. Antonuccio-Delogu	(20m)	Global self-regulation of AGN activity

# Friday, June 26

## 9.30: The Radio-Loud / Radio-Quiet Dichotomy

<u>L. Stawarz</u>	(40m)	Radio quiet vs. radio loud AGN: what makes the difference?
D. Evans	(20m)	The Chandra HETG and Suzaku View of the NLR and Radio-Loud/Radio-Quiet Dichotomy in AGN
F. Panessa	(20m)	The radio and X-ray coupling in radio quiet AGN
M.A. Prieto	(20m)	High spatial resolution spectral-energy-distributions of radio-quiet vs. radio-loud AGN

Coffee Break

I.W.A. Browne	(20m)	A dichotomy in jet orientations in elliptical galaxies
J. Sulentic	(20m)	An Empirical (4DE1) Approach to the RL-RQ Dichotomy
<u>A. Merloni</u>	(40m)	A synthetic view of AGN evolution and supermassive black holes growth

Concluding remarks