

From the Dolomites to the event horizon: Sledging down the Black Hole potential well

(2nd edition)

Sesto Val Pusteria, 15-19/07/2013

MONDAY 15th

CHAIR: BIANCHI

SESSION I: STRONG GRAVITY IN BH BINARY SYSTEMS

- 9:00-9:20 REGISTRATION
9:20-10:00 BLACK HOLE SPIN VIA CONTINUUM FITTING AND THE ROLE OF SPIN IN POWERING TRANSIENT JETS – **McClintock** (35+5)
10:00-10:25 Winds versus accretion disk atmospheres in GBHB – **Różańska** (20+5)
10:25-10:50 Spectra and fast multi-wavelength variability of compact jets powered by internal shocks – **Malzac** (20+5)

10:50-11:15 COFFEE BREAK

11:15-11:40 X-ray continuum modelling at higher luminosities – **Bursa** (20+5)
11:40-12:05 The return back to the hard state of GX 339-4 – **Petrucci** (20+5)
12:05-12:30 Energy spectra of X-ray quasi-periodic oscillations in the Lense--Thirring precession model – **Życki** (20+5)

TUESDAY 16th

CHAIR: MATT

SESSION II: THE GALACTIC CENTER

- 9:00-9:40 THE GALACTIC CENTER – **Porquet** (35+5)
9:40-10:05 Sgr A*: accretion from mini-spiral – **Czerny** (20+5)
10:05-10:30 The structure of the inner 400 pc of the Milky Way – **Kunneriath** (20+5)
10:30-10:55 Modelling the flares of Sgr A* - **Karssen** (20+5)

10:55-11:15 COFFEE BREAK

SESSION III: ULTRALUMINOUS X-RAY SOURCES

- 11:15-11:55 ULTRALUMINOUS X-RAY SOURCES: A LABORATORY FOR BLACK HOLES IN EXTREME ACCRETION ENVIRONMENTS – **Zampieri** (35+5)

SESSION IV: ACCRETION AND EJECTION IN ACTIVE GALACTIC NUCLEI

- 11:55-12:35 RELATIVISTIC LINES IN AGN – **Brenneman** (35+5)
12:35-13:00 Iron lines in COSMOS data – **Iwasawa** (20+5)

WEDNESDAY 17th

CHAIR: DE LA CALLE

- 9:00-9:25 X-ray polarimetry as an independent method to distinguish between scattered light or black hole spin in active galactic nuclei – **Marin** (20+5)
9:25-9:50 Principal Component Analysis of MCG-6-30-15 with XMM-Newton – **Parker** (20+5)
9:50-10:15 The emission line spectrum of NGC 1365 – **Braito** (20+5)
10:15-10:55 UFOS FROM AGNS: A REVIEW – **Cappi** (35+5)
- 10:55-11:15 COFFEE BREAK
- 11:15-11:40 Emergence of an outflow in the Seyfert Galaxy Mrk 335 revealed by XMM-Newton and HST – **Longinotti** (20+5)
11:40-12:05 Observations of Accretion Disk Winds in Active Galactic Nuclei – **Reeves** (20+5)
12:05-12:30 How fundamental are disk outflows in AGN? The WAX answer – **Guainazzi** (20+5)

THURSDAY 18th

CHAIR: MINIUTTI

SESSION V: AGN TIMING

- 9:00-9:40 TIME LAGS - **Fabian** (35+5)
9:40-10:05 Iron K Reverberation Lags in AGN – **Kara** (20+5)
10:05-10:30 Time lags in large samples of AGN - **De Marco** (20+5)
- 10:30-10:50 COFFEE BREAK
- 10:50-11:30 EXCESS VARIANCE – **Ponti** (35+5)

SESSION VI: NUSTAR SPECIAL SESSION

- 11:30-12:10 NUSTAR - **Walton** (35+5)
12:10-12:35 The broad-band view of AGN – **Matt** (20+5)
12:35-13:00 The NuSTAR/XMM-Newton observation of NGC1365 – **Risaliti** (20+5)
13:00-13:25 A long simultaneous XMM-NuSTAR look of MCG-6-30-15 – **Marinucci** (20+5)

FRIDAY 19th

CHAIR: SALVATI

SESSION VII: THEORY OF ACCRETION ONTO BLACK HOLES

- 9:00-9:25 Organised magnetic fields near black holes – **Karas** (20+5)
9:25-9:50 Lyapunov-like exponents for geodesic motion in black-hole-disc system – **Suková** (20+5)
9:50-10:15 X-ray reflection from ionised accretion discs - a new XSPEC model – **Dovčiak** (20+5)

SESSION VIII: THE FUTURE

- 10:15-10:40 Progresses and next opportunities for X-ray polarimetry – **Muleri** (20+5)
10:40-11:00 COFFE BREAK
11:00-11:30 LOFT: THE LARGE OBSERVATORY FOR X-RAY TIMING – **Stella** (25+5)
11:30-11:55 Strong field gravity effects with LOFT - **De Rosa** (20+5)
11:55-12:25 ATHENA+ - **Fabian** (25+5)