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

11:55-12:30 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

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<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tr>
<td>9:00-9:25</td>
<td>Organised magnetic fields near black holes – Karas (20+5)</td>
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<td>9:25-9:50</td>
<td>Lyapunov-like exponents for geodesic motion in black-hole-disc system – Suková (20+5)</td>
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<td>9:50-10:15</td>
<td>X-ray reflection from ionised accretion discs - a new XSPEC model – Dovčiak (20+5)</td>
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### SESSION VIII: THE FUTURE

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