

# PROGRAMME of the 6<sup>th</sup> FER0 meeting

30<sup>th</sup>-31<sup>st</sup> of August 2012

Astronomical Institute of the Academy of Sciences - Prague  
Boční II 1401, 141 00 Praha 4, Czech Republic

## Thursday 30/8

9:30 Arrival at the institute

9:50 Welcome – Vladimír Karas

9:55 Few notes on organization of the 6<sup>th</sup> FER0 meeting – Michal Dovčiak

### I. Session: Timing – Vladimír Karas

10:00 Iossif Papadakis – Fast variability of the iron line red wing in MCG-6-30-15 and NGC 4051

10:20 Alessandra De Rosa – Measuring strong gravity effects in AGN observed with LOFT

10:40 Vjačeslav Sochora – The relativistic iron line produced by a viscously spreading ring near a massive black hole

11:00 *Coffee break*

11:30 Tomáš Pecháček – The theory of power spectrum break frequency in multi-flare accretion disc variability models

11:50 Michal Dovčiak – Time lags in the lamp-post geometry of the compact corona illuminating a black-hole accretion disc

12:10 Discussion on future work in X-ray timing – flares, spots, variability, time lags and reverberation

12:30 *Lunch break*

### II. Session: Polarization – Giorgio Matt

15:00 Francesco Tamborra – MoCA: a Monte Carlo code for Accretion

15:20 Michal Dovčiak – Polarization in the lamp-post geometry of the compact corona illuminating a black-hole accretion disc

15:40 Frédéric Marin – X-ray polarimetry as a new and independent tool to discriminate reflection from absorption scenarios – investigating the case of MCG-6-30-15

16:00 Discussion on future work in X-ray polarimetry in AGN and GBHBs

16:20 *Coffee break*

### III. Session: Galactic black holes – Matteo Guainazzi

16:50 Agata Róžańska – Spectral fitting of absorption iron lines in 4U1630-472

17:10 Gabriele Ponti – Ubiquitous equatorial accretion disc winds in black hole soft states

17:30 Discussion on X-ray GBHBs in FER0

17:50 Individual work meetings

20:00 *Social dinner*

Note: the proposed timing in the schedule is only approximate, the meeting will have a rather informal character, the length of the talks and discussions may be shorter or longer according to the need

**Friday 31/8**

**IV. Session: Other ways to FERO – Iossif Papadakis**

9:30 Michal Bursa – X-ray continuum fitting of accretion disc spectra

9:50 Cosimo Bambi – Testing the Kerr-nature of black hole candidates

10:10 David Heyrovský, Lukáš Ledvina – Resolving quasar accretion discs by gravitational microlensing

10:40 *Coffee break*

11:10 Vladimír Karas – Massive magnetic dipole in relativity

11:30 Ladislav Šubr – Catch me if you can: is there a 'runaway-mass' black hole in the Orion Nebula Cluster?

11:50 Discussion on observational prospects for other ways to FERO

12:10 *Lunch break*

**V. Session: Observations of AGN – Stefano Bianchi**

14:30 Jiří Svoboda – Active galaxy 4U 1344-60: did the relativistic line disappear?

14:50 Pierre-Olivier Petrucci – Multiwavelength campaign on Mrk 509: testing realistic comptonization models

15:10 Kendrah Murphy – A Chandra HETG View of MCG+8-11-11

15:30 Matteo Guainazzi – Measuring black hole spins in AGN: where do we stand?

15:50 Discussion on future proposals

16:25 Concluding remarks – Matteo Guainazzi

16:30 *Coffee break*

17:00 Individual work meetings

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