

Session Program

13-18 Dec 2015



28th Texas Symposium on Relativistic Astrophysics

16 - Black holes

International Conference Centre Geneva
17 Rue de Varembé, 1211 Geneva

Tuesday 15 December

14:00

16 - Black holes

Session | **Location:** International Conference Centre Geneva, Level -1, Room 17 | **Convener:** Didier Barret

14:00–14:21 **XMM-Newton's impact on Relativistic Astrophysics: Black Holes**

Speaker

Norbert Schartel

14:21–14:42

Relativistic tidal disruption events: what do we learn from their rate distribution?

Speaker

Immacolata Donnarumma

14:42–15:02

Un-Beamed Tidal Disruption Events at Hard X-Rays

Speaker

Krzysztof Hryniewicz

15:02–15:22

IGR J17361-4441: a possible planetary tidal disruption event in NGC 6388

Speaker

Dr Melania Del Santo

15:22–15:42

Relativistic line reverberation mapping in tidal disruption events

Speaker

Wenfei Yu

15:42–15:45

Tidal disruption events induced by the Kozai-Lidov mechanism

Speaker

Naoki Seto

15:45

16:15

16 - Black holes

Session | **Location:** International Conference Centre Geneva, Level -1, Room 17 | **Convener:** Didier Barret

16:15–16:40

The Athena/X-IFU X-ray view of Hot and Energetic Universe: probing the Black Hole environment

Speaker

Xavier Barcons

16:40–17:00

How accreting black holes may shape their surroundings through AGN feedback

Speaker

Dr Wako Ishibashi

17:00–17:20

Direct formation of supermassive black holes; from mergers of protogalaxies to global relativistic collapse

Speaker

Prof. Lucio Mayer

17:20–17:40

Cosmological mass transport on galactic nuclei and the formation of high redshift quasars.

Speaker

Prof. andres escala

17:40–18:00

Does the obscured AGN fraction really depend on luminosity?

Speaker

Dr Sergey Sazonov

18:00–18:20

Mildly obscured active galaxies and the diffuse X-ray background

Speaker

Valentino Esposito

18:20–18:23

Disentangling AGN and Star Formation Contributions in the Central Parsec of NGC 4945

Speaker

Ingyin Zaw

18:23–18:26

An eclipsing binary black hole in MRK 421

Speakers

Dr Erika Benitez, Dr Sergio Mendoza

18:26–18:29

The high energy spectrum of 3C 273

Speaker

Valentino Esposito

18:29–18:45

gap

18:45

Wednesday 16 December

14:00

16 - Black holes

Session | **Location:** International Conference Centre Geneva, Level -1, Room 17 | **Convener:** Didier Barret

14:00-14:25

General relativistic precession of orbits around the stellar-mass black hole in H 1743-322

Speaker

Dr Adam Ingram

14:25-14:47

On the Detection of an Extreme Gravitationally Redshifted Fe-line constraining the Rotation of the Super-Massive Black Hole in Mrk 876

Speaker

Eugenio Bottacini

14:47-15:12

The high energy variability of V404 Cygni during the June 2015 outburst

Speaker

Lorenzo Natalucci

15:12-15:33

Measuring the Innermost Stable Circular Orbits of Supermassive Black Holes

Speaker

Dr George Chartas

15:33-15:36

MHD Shocks in Accretion onto a Rotating Black Hole

Speaker

Masaaki Takahashi

15:36-15:39

Accretion of a relativistic kinetic gas into a black hole

Speaker

Ms Paola Rioseco

15:39-15:42

Angular momentum loss by gravitational radiation in binaries with black hole

Speakers

Ms Dolunay Kocak, Kadri Yakut

15:42-15:45

Quasi-periodic oscillations of perturbed tori

Speaker

Mr Varadarajan Parthasarathy

15:45

16:15

16 - Black holes

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16:15-16:35

Rapid variability as a probe of warped space-time around accreting black holes

Speaker
Magnus Axelsson

16:35-16:55

Approximation of relevant elliptical equations in the Schwarzschild metric and some astrophysical applications

Speaker
Vittorio De Falco

16:55-17:15

Frame dragging, unipolar induction and Kerr black hole magnetospheres

Speaker
Prof. Isao Okamoto

17:15-17:18

Gaps in black holes magnetospheres

Speaker
Ksenia Ptitsyna

17:18-17:21

Can Black Holes Be Accelerators of Spinning Massive Particles?

Speaker
Prof. Benjamin Koch

17:21-17:24

Comments on the Effect of Frame Dragging

Speakers
Kadri Yakut, ismail özbakır

17:24-17:27

Hawking radiation cannot exist if quantum vacuum fluctuations are gravitational dipoles

Speaker
Dragan Hajdukovic

17:27-18:45

gap

18:45