

Dynamical complexity in astrophysical contexts

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome, Introduction, logistic

Monday 6 February 2023 09:00 (20 minutes)

Presenter: Dr FIORE, Fabrizio (Istituto Nazionale di Astrofisica (INAF))

Contribution ID: 2

Type: **not specified**

Solar flares, Coronal Mass Ejections

Monday 6 February 2023 09:30 (1 hour)

Presenter: Dr IVANOVSKI, Stavro (INAF-OATs)

Contribution ID: 4

Type: **not specified**

Self-organized criticality with application to solar flares

Monday 6 February 2023 10:50 (1 hour)

Presenter: Dr HERRMANN, Hans (Universidade Federal do Ceara)

Contribution ID: 5

Type: **not specified**

Chaotic Cold Accretion onto Black Holes

Tuesday 7 February 2023 09:30 (1 hour)

Presenter: Dr GASPARI, Max (University of Princeton)

Contribution ID: 6

Type: **not specified**

Crackling noise- Statistical physics of avalanche phenomena

Tuesday 7 February 2023 10:30 (1 hour)

Presenter: Prof. ZAPPERI, Stefano (Universita' di Milano)

Contribution ID: 7

Type: **not specified**

Multiphase gas in central cluster and group galaxies

Tuesday 7 February 2023 11:50 (1 hour)

Presenter: Dr OLIVERES, Valeria (University of Kentucky)

Contribution ID: 8

Type: **not specified**

N-body chaos, discreteness effects and collective instabilities in self-gravitating systems

Tuesday 7 February 2023 14:20 (1 hour)

Presenter: Dr DI CINTIO, Pierfrancesco (CNR-ISC)

Contribution ID: 9

Type: **not specified**

AGN feedback in galaxy clusters and groups: state-of-the-art and recent advances

Wednesday 8 February 2023 09:30 (1 hour)

Presenter: Dr PASINI, Thomas (Hamburg University)

Contribution ID: **10**

Type: **not specified**

Formation and evolution of galaxy cluster Bright Central Galaxies

Wednesday 8 February 2023 10:30 (1 hour)

Presenter: Dr TOZZI, Paolo (INAF-OAA)

Contribution ID: 11

Type: **not specified**

Classical systems with long-range interactions in equilibrium and out of equilibrium

Wednesday 8 February 2023 11:50 (1 hour)

Presenter: Casetti, Lapo (Universita' di Firenze)

Contribution ID: 12

Type: **not specified**

Quantum Long-range systems

Wednesday 8 February 2023 14:20 (1 hour)

Presenter: Dr DEFENU, Nicolo' (ETH)

Contribution ID: 13

Type: **not specified**

Dynamical complexity in micro-scale disk-wind systems

Thursday 9 February 2023 09:30 (1 hour)

Presenter: Dr FIORE, Fabrizio (Istituto Nazionale di Astrofisica (INAF))

Contribution ID: **14**

Type: **not specified**

Star formation and black hole accretion histories in galaxy evolution models

Thursday 9 February 2023 10:30 (1 hour)

Presenter: Dr FONTANOT, Fabio (INAF-OATs)

Contribution ID: 15

Type: **not specified**

Spatio-Temporal correlations in earthquakes and solar flares: self-organized criticality beyond the sand pile model

Thursday 9 February 2023 11:50 (1 hour)

Presenter: Prof. LIPPIELLO, Eugenio (Universita' della Campania)

Contribution ID: **16**

Type: **not specified**

Theory and observations of photoionised gas around supermassive black holes

Friday 10 February 2023 09:30 (1 hour)

Presenter: Dr LUMINARI, Alfredo (INAF-IAPS)

Contribution ID: 17

Type: **not specified**

Gamma Ray Bursts

Friday 10 February 2023 10:30 (40 minutes)

Presenter: Dr FIORE, Fabrizio (Istituto Nazionale di Astrofisica (INAF))

Contribution ID: **18**

Type: **not specified**

Large deviations: their use in equilibrium statistical mechanics and in a broader perspective.

Monday 6 February 2023 14:20 (1 hour)

Presenter: Prof. RUFFO, Stefano (SISSA)

Contribution ID: 20

Type: **not specified**

Systems out-of-equilibrium: fluctuation relations.

Thursday 9 February 2023 14:20 (1 hour)

Presenter: Prof. RUFFO, Stefano (SISSA)