

PhD Course: “Missing Baryons”

October, 11th -14th

Speakers

Joss Bland-Hawthorn: Sydney Institute for Astronomy, School of Physics, Sydney University

Fabrizio Nicastro: INAF - Osservatorio Astronomico di Roma

Matteo Viel: INAF - Osservatorio Astronomico di Trieste

The speakers will have their “headquarters” in the “saletta riunioni” (room 1N4) at the first floor of the Astronomy Department.

For any question regarding the organization of the lessons, please refer to Dr. F. Fraternali and C. Vignali.

Lessons (all in the seminar room, Astronomy Department, floor -1)

▶ Tuesday, October 11th

- 14-16: **F. Nicastro:** *Missing baryons in the IGM and their correlation with structures*
- 16-18: **J. Bland-Hawthorn:** *Evidence for accretion on all physical scales, and the role of galaxy redshift surveys (part I)*

▶ Wednesday, October 12th

- 14-16: **M. Viel:** *Physics of the Lyman-alpha forest*
- 16-18: **J. Bland-Hawthorn:** *Evidence for accretion on all physical scales, and the role of galaxy redshift surveys (part II); Accretion and feedback in the Galaxy (part I)*

▶ Thursday, October 13th

- 10-12: **F. Nicastro:** *Bulk of the IGM missing baryons: current evidence in X-rays and what is needed for the future physics of the Lyman-alpha forest*
- 14-15: Colloquium by **J. Bland-Hawthorn:** *“The HERMES project - reconstructing the ancient Galaxy”*
- 15-17: **M. Viel:** *Cosmological use of the Lyman-alpha forest*

▶ Friday, October 14th

- 10-12: **M. Viel:** *The relation between IGM and galaxies*
 - 14-16: **J. Bland-Hawthorn:** *Accretion and feedback in the Galaxy (part II)*
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