



AASS PhD classes 2023/24

Venue: [Tor Vergata University](#), Physics Department, Classroom: Aula Grassano

Dates: Jan 22, 2024 - Feb 19, 2024. Zoom [link](#)

Day	09:30-11:30	11:30-13:30	14:30-16:30
Jan 22	Sergio Molinari: ALMA and star formation in the Milky Way	Francesca Panessa: SKA-O and precursors	Martina Gerbino: CMB observations from ground
Jan 29	Ettore Majorana: LISA/ET: next generation observatories for GWs	Amedeo Balbi: Exoplanets and Habitability	Paolo de Bernardis: CMB observations from balloons and space
Feb 5	Marina Migliaccio: Euclid status and goals	Gianluca Polenta: ASI Space Data archiving	Marta Burgay: Pulsar Timing Array
Feb 12	Paolo Soffitta: IXPE and X-rays polarimetry	Angela Bongiorno: LSST	Adriano Fontana: VLT/ELT
Feb 19	Daniele Calchetti: Polarimetric and Helioseismic Imager for Solar Orbiter	Francesco Pannarale: LIGO/Virgo/KAGRA and Multi-Messenger Astronomy	Paola Santini: JWST and the distant Universe

Approved students for remote attendance:

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Guidelines for report writing

The recordings of the lectures and some of the slides will be available at this [link](#)

Each student shall write a 10-page report (using a standard thesis template) on one of the lectures presented. The report should cover a topic clearly different from the topic of his/her thesis. It will provide a general introduction to the field, and then it can focus on some specific aspect, such as instrumental, data analysis, or scientific objective, without being too broad.

Please inform prof. Piacentini and prof. Del Moro about the chosen topic and title. If we decide to propose a change, we will reply in a couple of days (working days).

Please upload the report using the form:

https://docs.google.com/forms/d/e/1FAIpQLSfCBdhPWX5uDcWKWHYbHCzKSUHbBFwTcSVegczaPpXdYqRPug/viewform?usp=sf_link

We will forward it to the teacher, who may provide some comments or feedback.

The deadline for the report is March 31st, 2024.

AASS PhD teaching committee: Piacentini, Del Moro, Fafone, Migliaccio, Pentericci, Pascale.