



UNIVERSITÀ
DI TRENTO

Dipartimento di
Fisica

PHD PROGRAM IN SPACE SCIENCE AND TECHNOLOGY - SST

Observations of the Universe through Space PhD Projects, Goals, Methodologies and Links

Wednesday, March 1st 2023, 4 pm

Speaker:

Prof. Carlo Baccigalupi - Scuola Internazionale Superiore di Studi Avanzati Trieste

Abstract:

We introduce the Curriculum "Observations of the Universe" within the national PhD in Space Science & Technology. We briefly review the ongoing projects, emphasizing their connections and collaborations within the nodes of the network. We emphasize the scientific goals, and the inter-disciplinarity of methodologies, ranging from instrumentation, innovative methods of analysis, theoretical exploitation, and describe how these subjects and their communication will be encouraged by the common Seminar Program. Finally, we give a few highlights concerning Space Research and Observations of the Universe and expectations for the near future.

Short Bio:

Carlo Baccigalupi is the coordinator of the PhD in Astrophysics & Cosmology at SISSA, the International School for Advanced Studies in Trieste, Italy. His research interests include Physical Cosmology and Early Universe, Theory, Analysis and Interpretation of Cosmological and Astrophysical Observations concerning the Cosmic Microwave Background (CMB), Large Scale Structure (LSS), and cosmological Gravitational Waves (GWs). He has been Planck Scientist within the Collaboration working at the Planck satellite, and now involved in the major efforts for observing LSS, CMB and GWs, such as the Euclid satellite, the Simons Array and Simons Observatory, the Large Scale Polarization Experiment (LSPE), the CMB- Stage 4 (CMB-S4), the Lite satellite for the study of B-mode polarization and Inflation from cosmic background Radiation Detection (LiteBIRD) Satellite, the Laser Interferometric Space Antenna (LISA) project.

Online Attendance

Zoom Meeting: <https://unitn.zoom.us/j/81442969891?pwd=cTV2M1J6QWpyNEVUVzFXNStQWDU2Zz09>

Meeting ID: 814 4296 9891

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