

Centres of Galaxies

Theory Meets Observations

**17th Vatican Observatory
Summer School**
in Astrophysics



31 May - 27 June 2021
Castel Gandolfo, Italy

The centres of galaxies provide superb laboratories for studying the interplay between stellar dynamics, hydrodynamics, star formation, stellar feedback, and supermassive black holes. New technological developments, such as high-resolution integral field spectrographs with adaptive optics, allow us to study these regions with an unprecedented level of detail.

This course of lectures and hands-on projects will provide young researchers with a thorough preparation for understanding the observed properties of galaxy centres and the theory behind them.

FACULTY

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Spiral galaxy NGC 1097 observed with the VIMOS instrument on VLT. Credit: ESO

