



University of Crete
Department of Physics

Joint Physics & IA/FORTH Colloquium

Tuesday, 27 October 2026 | 13:00 – 14:00, Seminar Room 3rd Floor

Resolved studies of star formation in nearby galaxies

Prof. Guinevere Kauffmann

Max Planck Institute of Astrophysics, Garching, Germany

ABSTRACT

Observational evidence suggests that the stellar initial mass function (IMF) is sensitive to galactic environment. This talk highlights a study of Milky Way-type galaxies whose central regions show very high levels of H α emission and excess Wolf-Rayet features. It then presents very recent work comparing starbursts in low-mass and high-mass galaxies. Finally, it presents observational evidence that starbursts may regulate the diversity of rotation curves in present-day low-mass galaxies.

Join via ZOOM at:

<https://ia-forth-gr.zoom.us/j/89308832813?pwd=1npCtXEbITOsQ1448rLMkYubQRT1XL.1>