

# Particle Avenues in the Dark Universe Arena (PADUA): Light Dark Sectors



**Wednesday 6 September 2023 - Friday 8 September 2023**

## Scientific Programme

The scientific program, at the interface of particle physics, cosmology and astrophysics, will focus on several aspects of light dark sectors that have recently received major developments. A tentative list of topics include

Light dark sector theory

Dark sectors at accelerators

Cosmological probes

Astro-physical tests

Quantum technologies for light dark sector searches

The aim of the PADUA workshop is to gather experts in the field to discuss recent developments and new ideas. There will be a few talks by invited speakers, in the morning and the afternoon, leaving plenty of time for discussions. The format is intended to provide a relaxed environment where informal discussions and exchange of ideas are nurtured.