

ISAPP23



Monday, November 13, 2023 - Sunday, November 19, 2023

Scientific Program

Topics

High-energy astrophysics

Charged cosmic-rays, theory and detection

Gamma-rays and neutrinos, astrophysics, indirect searches for dark matter

Cosmology & dark matter

Cosmology, small and large scale probes of dark matter

Lab searches for dark matter, dark matter theory

Compact objects

Gravitational waves & multi messenger astrophysics

Simulations (MHD) & new physics searches

Data analysis

Astrostatistics/machine learning, interactive

Lecturers

Francois Foucart (UNH): Simulations for GWs & EM counterparts

Maria Haney (Nikhef): Gravitational waves overview

Daniela Huppenkothen, SRON: Machine learning and astro statistics

Jocelyn Monroe, London: Dark Matter lab searches

Foteini Oikonomou (NTNU): Multi messenger astroparticle physics

Pedro Gregorio Carrilho (Edinburgh University): Theoretical cosmology, Euclid

Alfonso Andres Garcia Soto (IFIC, Valencia): High energy astrophysics

General program

Lectures

Q&A sessions

Poster session

Hands-on sessions

BBQ, dinner, holiday park amenities