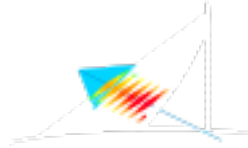


# **VLVnT 2021 - Very Large Volume Neutrino Telescope Workshop Valencia, 18 - 21 May 2021**



**Tuesday 18 May 2021 - Friday 21 May 2021**

**Valencia**

## **Scientific Programme**

## **Detector R&D and construction**

Hardware, calibration, measurement of medium properties, DOMs, photon detectors, deployment/installation

## **High-energy neutrino sources**

Diffuse, point-like, extended, galactic plane, others

## **Low energy neutrino sources**

Supernova neutrinos, thermal emission...

## **Multi-messenger**

Gamma rays, gravitational waves, RF, optical follow-up, coincidences among neutrino detectors

## **Neutrino properties and BSM**

Neutrino oscillations, NMO, steriles, NSI, neutrino decay, others

## **Dark matter and exotics**

Dark matter, monopoles, SUSY particles, others

## **Methods and tools**

Simulation, reconstruction techniques, machine learning/NNs/BDTs, likelihoods, strategies, computing, software, data formats, virtual observatories

## **Future detectors**

Estimation of sensitivities of future detectors and data analysis of detectors under construction

## **Earth and Sea sciences**

## **Plenary**

## Plenary talks