

# The 28th International Workshop on Weak Interactions and Neutrinos (WIN2021)



**Monday, 7 June 2021 - Saturday, 12 June 2021**

## **Scientific Programme**

## **Neutrino Physics**

Theories of neutrino masses and mixing; long-baseline oscillation experiments; short-baseline oscillation experiments; atmospheric neutrinos; reactor neutrinos; solar neutrinos; searches for sterile neutrinos; neutrino-nucleus cross sections; direct neutrino mass measurements; neutrino-less double beta decay.

## **Electroweak Interactions**

Experimental results, searches, and bounds; precision electroweak studies; Higgs physics; supersymmetry and alternative theories studies and experimental signatures; analyses of future collider prospects.

## **Flavor and Precision Physics**

Theories of flavor and CP violation; theoretical tools for precision physics; lepton flavor violation; B-factories; electric dipole moments;  $(g-2)$ ; other precision experiments at low energies; rare decays; low-energy CP violation; proton decay; neutron-antineutron oscillation.

## **Astroparticle Physics and Cosmology**

Supernova neutrinos; neutrinos in cosmology; ultra-high energy cosmic neutrinos; direct and indirect searches for dark matter; new dark matter candidates; baryogenesis and leptogenesis; the cosmic microwave background; cosmological observations; dark energy; inflation.