

ALPHA_S(2022) WORKSHOP ON PRECISION MEASUREMENTS OF THE STRONG COUPLING CONSTANT

Jan 31 – Feb 4, 2022 | Villa Tambosi

The workshop aims at exploring in-depth the current status and upcoming prospects in the determination of the QCD coupling constant $\alpha_S(m_Z)$ from the key observables where high precision measurements and theoretical calculations are (or will be) available: lattice QCD, hadronic decays of tau leptons, deep-inelastic electron-proton scattering and global parton density analyses, QCD corrections to electroweak precision observables, and analysis of hadronic final states in high energy particle collisions ($e+e^-$, ep , and pp).

Organizers

- David d'Enterria (CERN/CH)
- Stefan Kluth (Max-Planck-Institute for Physics / Werner-Heisenberg-Institute (MPP))
- Giulia Zanderighi (Max-Planck-Institute for Physics)