

Content

High Energy Physics

HEP_01 : ILC Top

HEP_02 : ILC ECAL

HEP_03 : Composite models and their phenomenology at the LHC

HEP_04 : Cosmological tests of Fundamental Physics

HEP_05 : Interplay between collider and flavour physics

Flavour Physics

FLAV_01 : Characterization of the SuperKEK beam induced background during the BEAST II commissioning of the Belle II experiment

FLAV_02 : Flavour Physics : joint efforts towards searching for physics beyond the SM

Hadron Physics

HAD_01 : Measurements of Jets and Photons in Heavy Ion Collisions at the Highest Beam Energy during the LHC-Run 2 by ALICE

Neutrino Physics

Nu_03 : Precise measurement of neutrino oscillation angle θ_{13} using reactor Neutrinos

Nu-04 : WA105 and its related R&D on innovation double phase charge readout system and light readout system at liquid Argon temperature

Nu-05 : Precision neutrino cross-section measurements and modeling for long-baseline oscillation experiments

Muon Physics

Mu_01 : Gminus2edm

Astroparticles

Astro_01 : Towards a new era in ultra-high-energy cosmic-ray studies

Astro_02 : Cosmology with CMB Polarization Measurements

Detector R&D

D_RD_09 : Toward the final design of a TPC for the ILD Detector

D_RD_11 : Prototype development of a positron emission tomography detector
Using liquid Xenon

D_RD_15 : Innovation design concepts in P Bulk Planar Pixel Sensors

Accelerator R&D

A_RD_01 : Development of an optical cavity system for the ILC and advanced
photon source

A_RD_06 : Study and optimization of the power deposition density in new positron targets

A_RD_07 : Suppression of magnetic flux trapping to achieve high-Q of SRF Cavities

A_RD_08 : Collaboration on fast luminosity measurements and MDI questions for
Super B meson factories

A_RD_09 : Effort towards improving large scale production of SC cavities

A_RD_10 : Nanometer stabilization studies at ATF2

A_RD_11 : Development and validation of Input Power Couplers for
Superconducting Linacs

A_RD_12 : Scintillating fibers detection system for superconducting RF cavities

Computing

Comp_01 : R&D for ATLAS GRID computing

Comp_03 : Computing platforms for future experiments

Applications

App_01 : The Geant4-DNA project at the Physics-Biology frontier

App_02 : Study of biomolecular ion stability in gas-phase by two complementary
Approaches : a cryogenic storage ring and a device for molecular cluster