

Content

High Energy Physics

HEP_01 : ILC Top

HEP_04 : Cosmological tests of Fundamental Physics

HEP_06 : Charged lepton flavour violation – searching for indirect signals of new physics

HEP_07 : SiW CAL

Flavour Physics

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

FLAV_03 : Flavour physics and theoretical challenge for precision

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

HAD_02 : ALICE forward upgrade for high precision high statistics single and Di-Muon Measurements at the LHC

Neutrino Physics

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_02 : Comet

Astroparticles

Astro_03 : Mapping the CMB polarization with LiteBIRD and the Simons Array

Detector R&D

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

D_RD_15 : Innovation design concepts in P Bulk Planar Pixel Sensors

D_RD_16 : Development of advanced monolithic pixel detector

Accelerator R&D

A_RD_01 : Development of an optical cavity system for the advanced photon sources
Based on Compton backscattering

A_RD_08 : Fast luminosity monitoring and background measurements at SuperKEKB

A_RD_09 : R&D on innovative treatments and characterization of SRF surface
for future accelerators

A_RD_10 : ATF2 studies and preparations for ILC

A_RD_11 : R&D fundamental power coupler in SRF mass-production

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 : GPU acceleration for Geant4 applications at the Physic-Medicine-Biology
frontier