Content

In red, new projects

Detector R&D

D_RD_01: ILC detector design
D_RD_02: Construction and tests of a Micromegas TPC endplate prototype for the LC
D_RD_04: R&D on the new generation of large area Silicon tracking systems
D_RD_06: R$D on liquid xenon detector technology
D_RD_07: R&D platform for multichannel photon counting sensor system
D_RD_08: Hermetic ARgon Polarimeter (HARPO)

LHC Physics

LHC_02: ATLAS computing
LHC_03: Superconducting magnets for the LHC accelerator upgrade
LHC_04: Search for a low mass Higgs using the VBFtautau and 4-leptons modes.
LHC_05: Exploitation of hard em probes and jets to study the qgp with LHC-ALICE

B Physics

B_03:Theoretical Aspects and the specific problems of physics analysis at the new Super B Factories

Neutrino Physics

Nu_01_2:   R&D of neutrino beam production for future (Multi-)MW proton facility
                   "Measurement of hadron production for T2K at CERN NA61 experiment"
Nu_02-WP2: R&D of detectors for future high statistics, high precision experiment
                    (R&D for reactor anti-neutrino experiments.)
Nu_02-WP3: R&D of detectors for future high statistics, high precision experiment

                   (R&D for neutrinoless double beta decay experiments)

Computing

COMP_3 – Grid Interoperability and Data Management

Simulation and Data Analysis

SDA_1: Event generators and Higgs Physics at LHC

Accelerator R&D

A_RD_01: Applications of a high finesse Fabry Perot Cavity for the ILC
A_RD_02 : Collaboration on the ATF2 project at KEK and on the ILC Machine Detector Interface
A_RD_03: R&D on High Power Couplers for the ILC
A_RD_05 : Surface Preparation Study for Superconductive Cavities.
A_RD_06: Research on a new crystal-assisted positron source for the ILC
A_RD_07: Study of magnetic shielding for superconducting cavities

Astroparticles

Astro_01: Observation of Extremely High Energy Cosmic Radiations using a Near-ultraviolet Telescope on
                the Japanese Experiment Module of the International Space Station (JEM-EUSO Project)

Others

Bio_01 : New developments of the Geant4 Monte Carlo simulation toolkit
FAPPS : France-Asia Particle Physics School