

WP definitions : starting point for discussion

WP 1 (MGT) : Project management and documentation CERN EU office + PLs

WP2 (COORD) : Development of common software tools Gaede (DESY)
+ LHC (?)

2.1 Detector geometry, calibration & alignment

2.2 Reconstruction and analysis software algorithm

2.3 Parallelization of software framework to exploit multi-core
processors ?????

WP3 (COORD) Detector Integrated Electronics European rep of VIPS

3.1 3D interconnection of microelectronics and semiconductor

3.2 CMOS detectors

3.3 Common aspect of cooling/power ???

WP4 (SUPP) Transnational Access to DESY test beam I. Gregor

WP5 (SUPP) Transnational Access to CERN test beam and irradiation
facilities ?

WP6 (SUPP) : Transnational Access to European Irradiation facilities

M. Mikuz ?

WP 7 (RTD) Improvement and equipment of beam & Irradiation lines

Hans Taureg ? Edda Gschwendtner ? Ilias Efthymiopoulos ?

7.1 : Low energy beam (CERN) (**Frascati beam ?**)

7.2: Upgrade of proton & neutron irradiation facilities at CERN

7.3 : General beam line equipment :

Can contain magnets, gas supplies, beam Cerenkov, cooling and cryogenics plant, thermal characterization

7.4 Stand-alone detector equipment for beam tests

Can contain some DAQ, DCS aspect (all communities) as well as more advanced electronics modules for trigger/time measurement (Super B)

WP8 : Medium advanced Infrastructure for detector R&D

one LC (calo ?) and one non LC ?

8.1 Gaseous tracking facility

include LC-TPC setup , RD51 activity for SLHC, neutrinos....

8.2 Precision pixel infrastructure:

Can contain large part of devdet-WP10 with structure to accept modules of different technologies, contribution to another pixel telescope and/or alignment aspect.

(part of the pixel technology will go also in WP3)

Will contain both LC,SLHC and super B community

8.3 Granular calorimeter studies infrastructure

Here contain only LC activity. Can argue here about need of large scale calorimeter with large scale Si strip tracking

8.4 Qualification of material for detectors

Can contain both infrastructure for the test at irradiation facilities, definition of agreed test procedure and the delivery of a common database

WP 9 (RTD) : Integration of sub detectors for a combined Test

LC person ?

9.1 Coordination of combined tests

Can include beam test organization/schedule but also part of analysis

9.2 Common DAQ and detector control systems

9.3 Integration of individual tracking detectors

9.4 Integration of large scale calorimeters

For 9.3 and 9. 4, should be careful to have really global infrastructure and not be redundant with package WP8. Need to have part of devdet-10 both in WP8 and WP8 so that their budget are correctly balanced.

WP10 (COORD) Technology roadmap for particle physics detectors

P. Sharp

(Sensors, electronics, power, SiPM, micropattern gas detector)

Deliverable here is only a document. Budget is mainly travel/meeting