17 November 2008

Updated version of IDAG requirements to be addressed in the LOI's

(in addition to the original LOI guidelines)

(1) Detector optimization: identification of the major parameters which drive the total detector cost and its sensitivity to variations of these parameters.

(2) Plans for getting the necessary R&D results to transform the design concept into a well-defined detector proposal.

(3) Conceptual design and implementation of the support structures and the dead zones in the detector simulation.

(4) Sensitivity of different detector components to machine background in the context of the beam parameter space considered in the RDR.

(5) Calibration and alignment schemes.

(6) Estimates of overall size, weight, and requirements for crane coverage and shielding.

(7) Push-pull ability with respect to technical aspects (assembly areas needed, detector transport and connections, time scale) and maintaining the detector performance for a stable and time-efficient operation.

(8) A statement about energy coverage, identifying the deterioration of the performance at energies up to 1 TeV and the consequent detector upgrades.