- Mechanical structure
 - Material
 - Shape
- 2. Cell Geometry
- Gas Mixture
- 4. FE Electronics

- Mechanical structure
 - Material
 - Shape
- Baseline
 - Carbon Fiber
 - Spherical end-plates
 - Alternative: spherical+conical
 - To Do
 - Finalize requirements
 - Make detailed calculations and technical design
 - Manpower
 - Physicists, Mechanical Engineers

- Cell Geometry
- Baseline
 - Hex. cell a la BABAR, 2cm side
 - Alternatives
 - hex. cell, smaller size
 - at least for inner layers
 - Square cell a la KLOE/CLEO-c
 - All-stereo layers/superlayers
 - To do
 - Simulation
 - Prototypes
- Manpower
 - Physicists, Technicians, Electronic Engineers

- Gas Mixture
- Baseline
 - BABAR gas
 - Alternative
 - faster mixture
 - To do
 - Garfield simulations
 - Prototypes
 - Manpower
 - Physicists, Technicians, Electronic Engineers

- 4. FE Electronics
- Baseline
 - BABAR concept, with state-of-the-art components
 - Alternative
 - to be evaluated
 - cluster counting?
- To do
 - Simulations
 - Understand requirements, design new system
- Manpower
 - Physicists, Electronic Engineers

Goals for this Meeting

- Assess status of manpower
 - New Canadian institutions
- Define list of tasks needed for the TDR
 - Simulations
 - FAST for performance on benchmark channels
 - FULL for background studies
 - Magboltz/Garfield for gas mixture simulation
 - Detector-related R&D
 - Mechanical quenching
 - Optimizations
 - Cell geometry
 - Gas mixture
 - Mechanical Engineering
 - Electronics

Proto WBS

 Need to turn the WBS draft below into a detailed one, as requested in

http://agenda.infn.it/conferenceDisplay.py?confld=1048

Our main task for this meeting

WBS	Item
1	DCH (TDR)
1.1	Design study
1.1.1	Simulation
1.1.1.1	detector geometry optimization
1.1.1.2	background studies (FULL simu)
1.1.1.3	performance studies (FAST simu)
1.1.2	Prototyping
1.1.2.1	Design
1.1.2.2	Mechanics
1.1.2.3	Stringing
1.1.2.4	Electronics
1.1.2.5	DAQ
1.2	Mechanical structure
1.2.1	Structure design
1.3	Electronics
1.3.1	HV distribution
1.3.2	Front-End
1.3.3	DAQ
1.3	Gas System
1.3.4	Design
1.4	Testbeam

Required Man-months (2 Manpower sources Phy Eng Tecn Comp Phys In1 In2 In3 Miss Eng In1 In2 In3 Miss Tecn ComP In1 In2 In3 Mis																			
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Phys Physicist Eng Engineer Tecn Technician

Comp Prof Computing Professional In1,2,3 Institutions contributing Miss Missing Manpower

All numbers in man-months, with the hypothesis of two years for TDR preparation (2009-2010)