

Aims and objectives of the technical meeting

- ❖ Discuss about the connection cryostat and the **mechanical challenges of inserting stations in it.**
- ❖ Discuss about the possible modifications of the present station's design
- ❖ Discuss about **readout electronics and control cards design**

Definition of working fields and responsibilities

- ❖ Address key issues like alignment strategies
- ❖ Agree on milestones in the near and far future
- ❖ **2 main deadlines:**
 - 2006 test beam**
 - 2008-9 installation**

Working fields

Mechanics

- Connection cryostat design
- Interface with stations
- Stations

Electronics

- Sensors
- Multi-chip boards
- Mother boards
- Trigger cards
and daq

Mechanics

Connection cryostat design:
2006-7

*work performed at
Cern on bypass design

Interface :
2007-8

*study of stations integration
cooling and cabling

Stations :
prototype
by 2006
test beam

*adaptation of design to
sensors, electronics and
cryostat
*vacuum
*cooling
*detector movement

Electronics

- Sensors** : *work performed at Stanford
prototypes
by 2006 test
- MC- card** : *design - prototype controls (temperature trigger) – lab test
prototype
by 2006 test
- Mother board+trigger** : *design-prototype control
prototype
by 2006 test
*Trigger (multi-stations)
- RO and software for test beam** : *processors, daq, etc..

Proposed Milestones

August 2005	definition of working fields and share of responsibilities
December 2005	status report of working groups and definition of Feb-March milestones
Feb-March 2006	status report of working groups and test beam definition
June 2006	installation(s) and test beam(s)