

15 February 2005

II. Personnel and Coordination of Responsibilities

A. The following members of the Pisa/CDF Group are presently participants in the collaboration.. For INFN and Faculty Members, their level of commitment is expected to remain constant for the next years. Graduate students, post-docs, and non-Italian visitors have temporary contracts that can be renewed annually.

Name	Title	Usual Location	Total CDF Fraction	Other Commitments
P. Azzurri	Physicist	Scuola N.S.		30% CMS
F. Bedeschi	Physicist	INFN, Pisa	100%	
G. Bellettini	Physicist	Fermi	100%	
R. Carosi	Physicist	Fermi	100%	
G. Chiarelli	Physicist	INFN, Pisa	100%	
M.A. Ciocci	Physicist	Siena	100%	
M. Dell'Orso	Physicist	INFN, Pisa	100%	
P. Giannetti	Physicist	INFN, Pisa	100%	
G. Introzzi	Physicist	Pavia	100%	
S. Lami	Physicist	INFN, Pisa	100%	
S. Leone	Physicist	INFN, Pisa	100%	
A. Menzione	Physicist	INFN, Pisa	100%	
C. Pagliarone	Physicist	Cassino	100%	
R. Paoletti	Physicist	Siena		50% Astropar
G. Piacentino	Physicist	Cassino	100%	
G. Punzi	Physicist	Scuola N.S.	100%	
L. Ristori	Physicist	Fermi	100%	
A. Scribano	Physicist	Siena	100%	
F. Scuri	Physicist	INFN, Pisa	100%	
N. Turini	Physicist	Siena		50% Astropar
F. Zetti	Physicist	INFN, Pisa		50% Atlas
A. Annovi	Post-doc	Fermi	100%	
M. Cijliak	Post-doc	INFN, Pisa	100%	
S. Donati	Post-doc	INFN, Pisa	100%	
I. Fedorko	Post-doc	Bratislava	100%	
J. Garcia	Post-doc	INFN, Pisa	100%	
G. Latino	Post-doc	Cassino	100%	
F. Spinella	Post-doc	INFN, Pisa	100%	
D. Tonelli	Post-doc	Scuola N.S.	100%	
P. Catastini	Phd Student	Siena	100%	

M. Giunta	Phd Student	Siena	100%
M. Morello	Phd Student	Scuola N.S.	100%
P. Squillacioti	Phd Student	Siena	100%

- B.** The coordinator for the INFN, Pisa group and the representative on the CDF-II Executive Board is A. Menzione. The alternative members for the Executive Board are L. Ristori F. Bedeschi and G. Bellettini.

III.

IV.

V. Responsibilities of the INFN, Pisa Group

A. Project: Detector Subsystems

1. Pisa will provide continuous control, and maintenance as required, of the detectors of the outer layer (layer 7).
2. In collaboration with Fermilab, the overall operation and performance of ISL will also be supervised.

B. Project: Central Calorimeter

1. Pisa will collaborate in the maintenance of the central and endwall hadron calorimeters.
2. In particular, technical manpower will be provided for maintaining the so-called Pisa HV-distribution boxes.

C. Trigger Electronics

1. INFN-Pisa will provide a person (currently R. Carosi) to coordinate maintenance and operation of the Silicon Vertex Tracker electronics.
2. In particular, Pisa will have the primary responsibility of maintenance, and repairs as needed, of Associative Memory, Spy Control, XTFA and XTFB boards.

D. New Trigger Electronics

1. INFN-Pisa will provide a person (currently A. Annovi) to coordinate maintenance and operation of the New SVT
2. Pisa will have the primary responsibility of AM++ maintenance, and repairs of the system as needed

E. Online Activities

3. Pisa will provide part of the required software for control, readout, and online diagnostics of ISL, TOF, and SVT operation.
4. All Pisa physicists will participate in the data-taking shifts for at least two weeks/year.
5. Pisa expects to be able to provide a minimum of 2 super-scientific coordinators and 2 Ace's per year of data-taking.

E. Offline Activities

Pisa will share, as appropriate, the load of the offline data production monitoring shifts.

F. Other Activities

In the past the Pisa group participated to the construction and setting-up of several detectors: ISL, Muon scintillation counters, COT TDC`s, SVT, etc. It is understood that upon request and availability of personnel the group will help maintaining these detectors. The group is also in principle available to help on request on any other intervention that might be needed on the CDF detector and on its DAQ stream.

**CDF-II Memorandum of Understanding
among the
Fermi National Accelerator Laboratory,
the CDF-II Collaboration
and INFN, Pisa**

Fermilab Directorate

date

CDF-II Detector Coordination Manager

date

CDF-II Detector Coordination Manager

date

CDF-II Spokesperson

date

CDF-II Spokesperson

date

date

date

date