

**Memorandum of Understanding among the Fermi National Accelerator
Laboratory, the CDF Collaboration, and the Frascati Laboratory of INFN
for the years 2005-2008**

I. Personnel

A. The following members of INFN-Frascati are presently participants in the collaboration. The numbers of participants is expected to increase during the current year and then to remain constant.

Name	Title	Other Commitments
Marco Cordelli	physicist, staff	
Paolo Giromini	physicist, staff	
Fabio Happacher	physicist, staff	
Stefano Miscetti	physicist, staff	KLOE
Igor Sfiligoi	physicist, staff	

B. M. Cordelli will serve as group coordinator.

II. Responsibilities of INFN Frascati:

A. Central (CHA) and Endwall (WHA) hadron calorimeters.

1. Maintain the calorimeter hardware (photomultipliers, PM voltage dividers, optical fibers, laser system, etc.)
2. Provide one on-site on-call resident during the data-taking period.

B. High Voltage (HV) system for hadron and electromagnetic calorimeters. There is presently a crisis due to a lack of spare parts. In order to alleviate it we will

1. Provide initial help to secure enough spares to guarantee a smooth data taking.

2. Design and produce a new read-out board compatible with the present system that uses components not anymore available.
3. Train and assist a Fermilab engineer to maintain the HV system

C. Online activities

1. CHA and WHA laser calibration
2. WHA source calibration
3. Control of the CHA HV system

D. Offline activities

1. Verify the CHA and WHA online calibrations by using collected data (dimuons and other data sample)
2. Continue to develop and maintain the Condor-based CDF Central Analysis Facility (CAF).
3. Participate in the development and expansion of the CDF-Grid environment

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Fermilab Directorate date

CDF Spokesperson date

CDF Spokesperson date

Coordinator for INFN-Frascati date