Istituto Nazionale di Fisica Nucleare
LABORATORI NAZIONALI DI FRASCATI

FLASH Experiment

WP6 Report

FLASH Meeting

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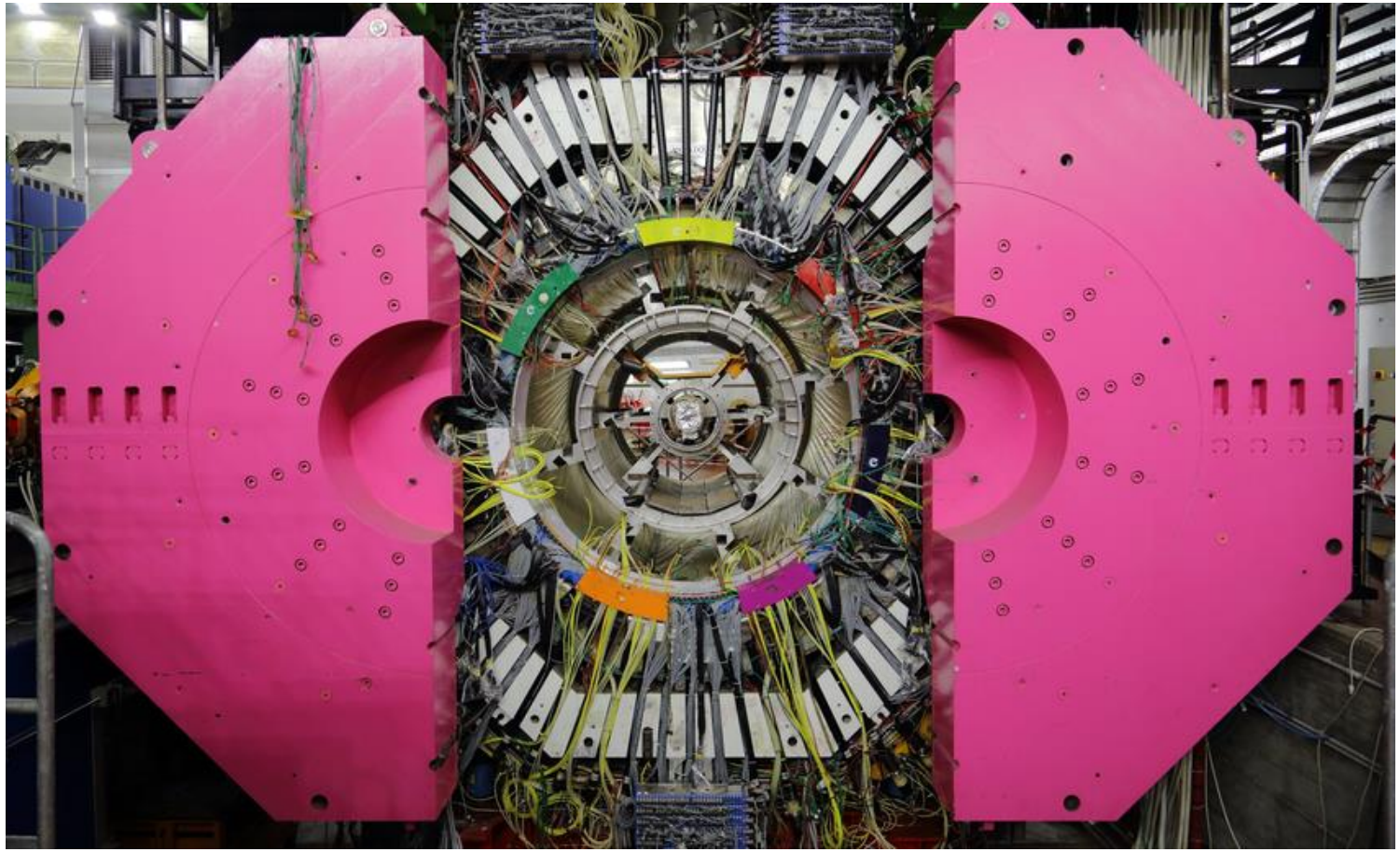
Scope

Ensure the disassembly of Finuda is completed within the established time frame.

Coordinate the installation and commissioning of the FLASH Experiment, along with its associated systems and facilities.

Ensure that **all operations** are conducted in compliance with regulatory requirements, as well as safety and environmental protocols, to safeguard personnel health, protect the environment, and preserve the integrity of equipment.

FINUDA Decommissioning



FINUDA Decommissioning

On March 3rd, the decommissioning of FINUDA officially began.

Thanks to S. Tommassini, the endcaps were opened; subsequently, the dismantling of the cables and electronics racks began.

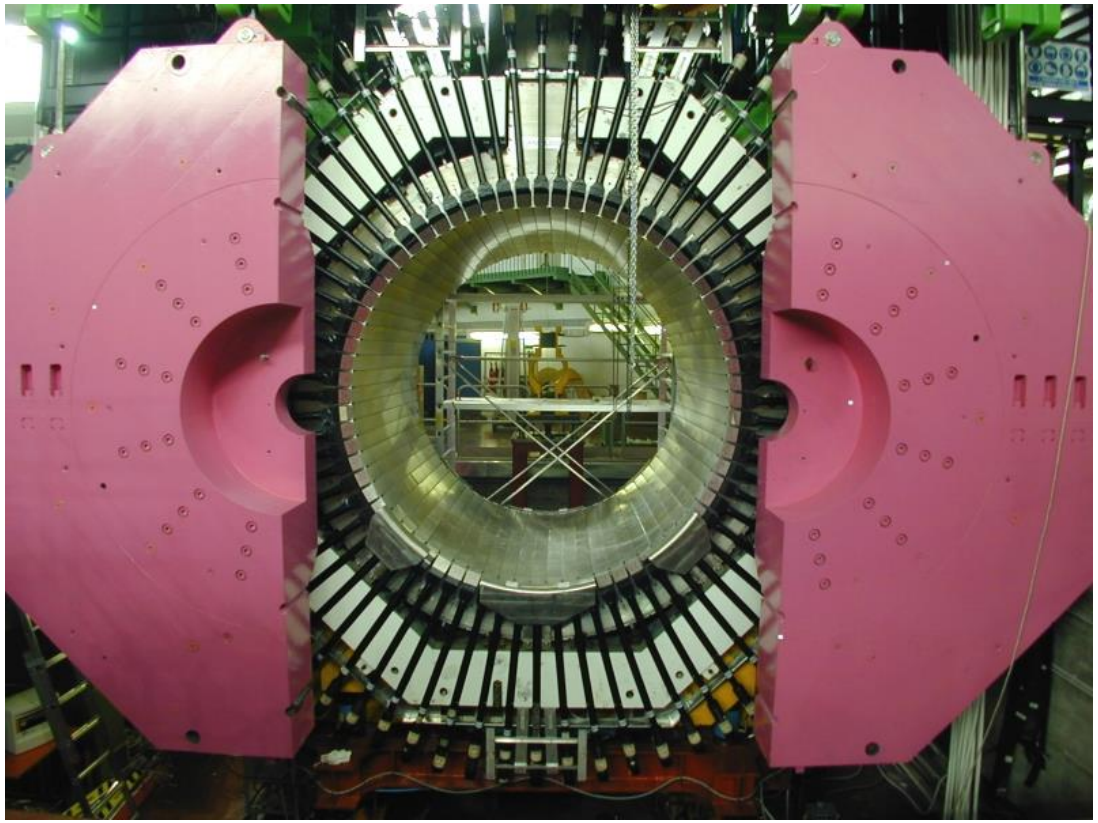
By last Friday, approximately 4 cubic meters of waste (mainly electrical cables) had already been produced.

The operations will continue for the next two weeks, and we aim to either complete or at least remove most of the cables in the FINUDA detector.

FINUDA Decommissioning

The following components **will not be** disassembled during the operation:

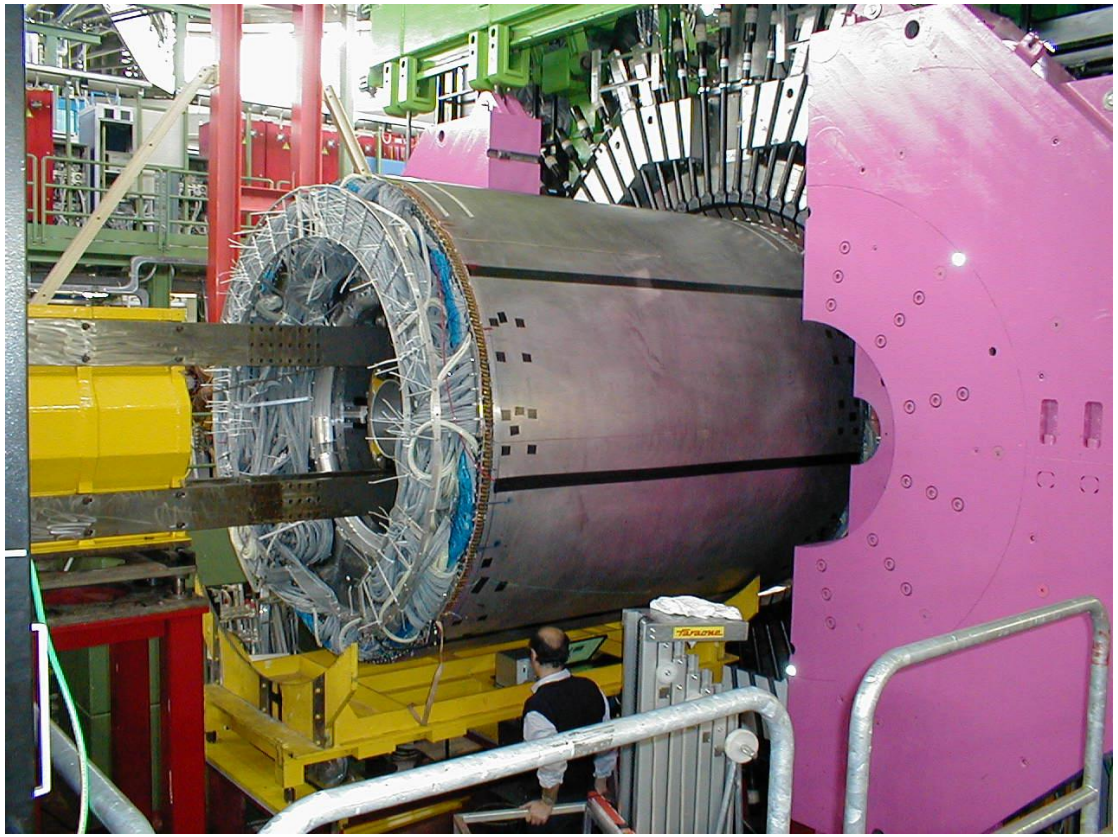
- Iron Joke
- Magnet
- Endcaps
- Cryogenic components



Extraction of the Clessidra

In the next few weeks, we will finalize the procedure for the extraction of the Clessidra.

We will need to carry out a refurbishment of the tools used for assembly, which are still stored at LNF.



Other activities

- Extraordinary maintenance of the endcap handling system
- Certification and upgrade of the cryogenic system
- Revision and updating of the experiment facilities (water cooling, etc.)

FLASH Risk Analysis

In accordance with best practices in the field of prevention with the TDR we will provide a development of a Risk Analysis (RA) that considers the Health, Safety, and Environmental risks associated with FLASH Experiment.

To do this, we are in contact with an engineering company – NIER - , specializes in risk analysis.

We will soon proceed with an order which will mainly concern:

- ✓ Identification and analysis of incident risks and/or undesired events (Top Events) and prevention methods using internationally recognized Industrial Risk Assessment standards (HazOp, FMEA, Fault Tree Analysis, Event Tree Analysis) through the following steps:
  - Detailed description of possible incident scenarios and their likelihood of occurrence
  - Evaluation of the extent and severity of the consequences of any identified incidents
  - Historical review of FINUDA technical parameters, considering lessons learned
  - Description of technical parameters and equipment used to ensure facility safety
- ✓ Any requirements related to fire prevention