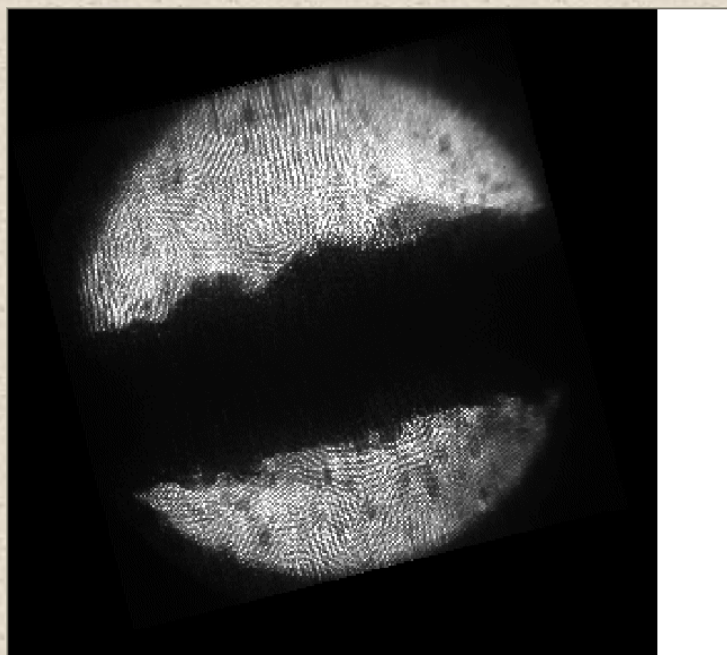


MERcury Intense Target (MERIT) Experiment – *or nTOF-11*



*20m/sec Hg jet achieved on February 14, 2007
MERIT Collaboration – ORNL test setup*

Pre-installation Safety Review

Ilias Efthymiopoulos

Adrian Fabich

(CERN - AB-ATB-EA)

Pre-installation Safety Review
CERN – March 30, 2007

Safety : How is safety handled for MERIT?

1. Preliminary hearings with safety officials at CERN before the proposal submission and approval of the experiment

2. Safety reviews of the major sub-systems of the experiment, in time with their production

- Cryostat and cryogenics – **February 3, 2006**
- Hg-system – **June 20, 2006**

3. Safety review of installation procedures **March 30 2007**


- Installation & dismantling
- After the combined tests at MIT → **~March '07**

4. Safety inspection of the final installation in situ

- Transport, installation
- Access, interlocks, ODH system verification, ...

Solenoid & Cryogenics Safety Review

<http://indico.cern.ch/conferenceDisplay.py?confId=673>



MERIT safety review



Friday 03 February 2006
from 09:00 to 15:30
at CERN (**SALLE A (61-1-017)**)
chaired by:
Ilias Efthymiopoulos (CERN)
I. Efthymiopoulos

Description: MERIT solenoid and cryogenics system is reviewed. Participation upon invitation.

[Friday 03 February 2006](#)



Friday 03 February 2006 [top↑](#)

09:00->09:30 Introduction
Description:

09:00 Introduction (20') ( Slides ) Ilias Efthymiopoulos (CERN) , Adrian Fabich (CERN)

09:20 Discussion (10')




09:30->10:40 Solenoid

09:30 Solenoid description (40') ( Paper ) Peter Titus (MIT)

10:10 Discussion (30') all

10:45 break

11:00->12:10 Cryogenics system
Description:

11:00 Description (40') ( Slides  ) Friedrich Haug (CERN)

11:40 Discussion (30') all

12:10 lunch


13:15->14:15 Closed/open session
Description:

13:15 discussion (1h00') reviewers

14:30->15:30 feedback session
Description:

Mercury System Safety Review

<http://indico.cern.ch/conferenceDisplay.py?confId=1785>



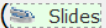
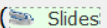
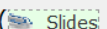
"MERIT safety review of the mercury system"

Monday 19 June 2006 from 09:00 to 17:00
at CERN (**SALLE B (61-1-009)**)

Description : The design, construction, operation, transport & decommissioning of the mercury loop system will be reviewed.

[Monday 19 June 2006](#) |

Monday 19 June 2006 [top↑](#)

09:00	Introduction (15') presentation	Ilias Efthymiopoulos (CERN)
09:15	Discussion (15')	
09:30	Layout and construction of the Hg system (30') () presentation	Van Graves (ORNL)
10:00	Discussion (30')	
10:30	break	
11:00	Operation and handling (30') () presentation	Phil Spampinato (ORNL)
11:30	Discussion (30')	
12:15	lunch (..)	
13:30	Transport and decommissioning (30') () presentation	Van Graves (ORNL)
14:00	Discussion (30')	
14:30	Closed session (1h00')	review panel
15:30	coffee	
16:00	Discussion - feedback (1h00')	

Pre-installation Safety Review

Review Panel

Mercury experts & Chemical Safety:

- Jonathan Gulley

Radiation protection (CERN-SC/RP):

- Marco Silari (excused)
- Thomas Otto
- Pierre Carbonez

Mechanical safety (CERN-SC/GS):

- Benoit Delille
- Andrea Astone (excused)

Fire protection (CERN-SC/GS):

- Fabio Corsanego

General Safety:

- Bruno Pichler (excused)
- *Ralf Trant (CERN-SC/GS)*

Chairman:

- **Ghislain Roy (CERN-AB/DSO)**

Thank you all for accepting the invitation