

# ***CMS remote center @ DESY and plans for the Cosmic Run***

summarised by  
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**DESY CMS meeting**

***April 23<sup>rd</sup>, 2008***

## ⇒ PURPOSE:

- *participate in real-time data monitoring*
- *complement shifts at CERN and at FNAL*
  - *remote shifts to streamline operations*
- *set up a “communication bridge” between people at CERN, FNAL, DESY*
- *PR: DESY visitors will be able to see current CMS activities*
- ...

## ⇒ CMS remote centers:

**CMS Center (Meyrin)**

~ 25 consoles

~ 150 screens

DQM, calibration, alignment





# CMS centers



**CMS Remote Center @ FNAL**  
~ 15 consoles  
~ 50 screens



## **CMS Remote Center @ DESY**

- Currently located in Build. 2K close to Build. 1
- Commissioning started this year
- Used as the Test Center, Main center will be ready in October 2008.





# CMS center @ DESY: current status (1)



→ *Workspace for 5-10 people (~ 20 m<sup>2</sup>)*

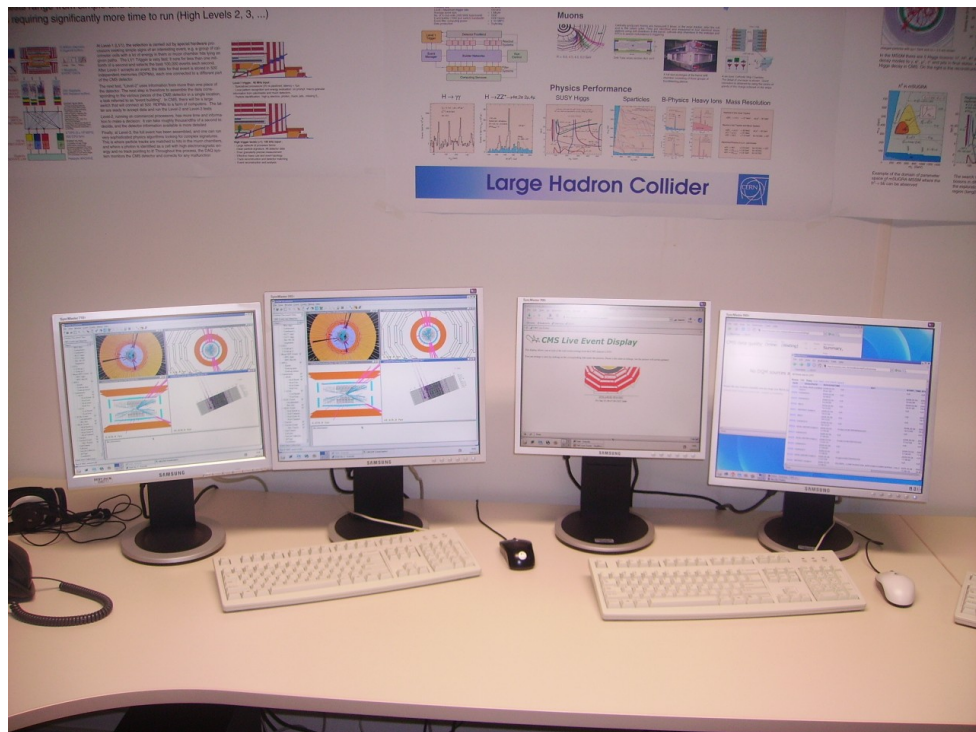
→ *4 PC's:*

- *2 Linux PC's (SL4) with 2 screens each used for DQM and Event Display .*
- *2 Windows PC's used for Videoconferencing .*

**What's missing: conference table , beamer .**



# CMS center @ DESY: current status (2)



- *AFS account : “cmsonl”*
- *IGUANA is installed with CMSSW\_1\_6\_8 and CMSSW\_2\_0\_0*
- *Access the data via SSH tunnel*
- *Video conferencing tool (Polycom PVX): audio&video connection to P5 and CMS centres*  
*tested many times , sometimes unstable*



# CMS center @ DESY: Cosmic Run



→ **Our goal is to do remote DQM shifts during the CRUZET (Cosmic RUN at ZERo Tesla) May 5<sup>th</sup>–12<sup>th</sup> !**

- *Get experience and finalise requirements for Main Center !*
- *General mobilization attempt for CMS people @ DESY → looking for shifters !*
- *By this time: CMS center must be fully equipped and shift instructions provided.*
  - ▶ DQM shift instruction session @ CERN on this Friday.
  - ▶ CRUZET analysis tutorial on Tuesday (how to access data, run jobs, ...).  
<http://indico.cern.ch/conferenceDisplay.py?confId=32360>

→ **DQM shifts @ P5:**

## Shift List for CRUZET

Day	7-15h Morning	15-23h Afternoon	23-7h Night
5 May	Hyunkwan Seo	pawel de barbaro	Valdas Rapsevicius
6 May	Hyunkwan Seo	pawel de barbaro	Valdas Rapsevicius
7 May	Hyunkwan Seo	Dima Volyanskyy	Valdas Rapsevicius
8 May	Hyunkwan Seo	Dima Volyanskyy	Kaori Maeshima
9 May	pawel de barbaro	Dima Volyanskyy	Kaori Maeshima
10 May	Andrey Korytov	Kaori Maeshima	Garam Hahn
11 May	Andrey Korytov	Kaori Maeshima	Garam Hahn
12 May	Andrey Korytov	Valdas Rapsevicius	Garam Hahn

**24 hours a day !**

**Are we going to do the same :-) ?**

**At least 8 hours must be covered.**