

PADOVA SOFTWARE NEWS

PD/CERN, 01/03/2011

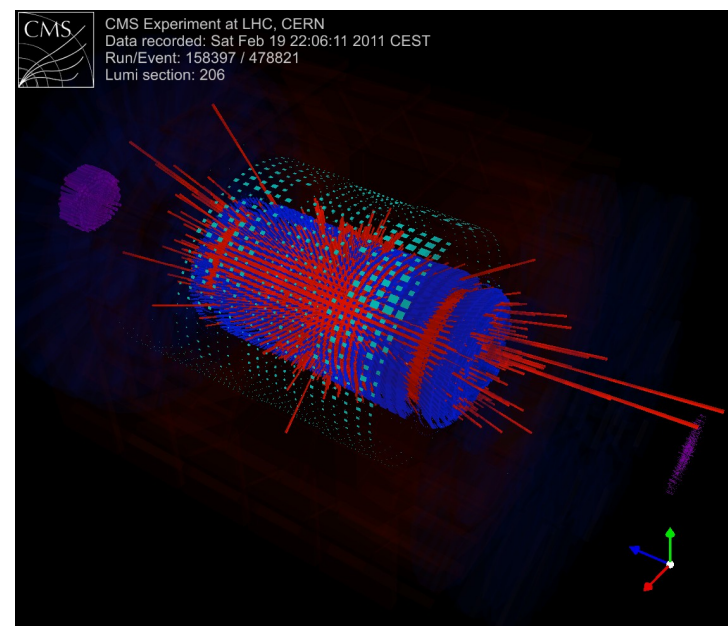
Patrizia Azzi

Stefano Lacaprara

News from the machine

- The machine has made very good progress:
 - Completed hardware commissioning and started operations
 - Delivered splashes on Sat.-Sun.
 - Circulating beams, ramps, squeeze, dump tests underway
 - Some collisions (TK off)
- Moving on towards collimator setup and machine protection
- With the current progress we need to be ready for collisions with stable beams by the following weekend, March 5-6.

The current planning is that the first stable beams fill will be with 60 bunches colliding in CMS. With the nominal setting we should expect already a **luminosity very similar to the end of last year. But with higher pileup!**



Novita' su data reprocessing

- **Commissioning10/MinimumBias** – questi sono i dati a 7 TeV (e 900 GeV) presi all'inizio del run dell'anno scorso. Sono un campione importante perche' privo di pileup.
 - Creato uno skim RAW (lista di runs e HLT bits), gia' re-reco (6.8TB)
 - /MinimumBias/Commissioning10-398patch2-v1/RECO
- **Cosmics10** – richiesta del gruppo di allineamento di riskimmare tutti i cosmici presi finora con il nuovo TrackerPointing skim
 - 1) new skims on Dec22 rereco
 - /Cosmics/Run2010A-Dec22ReReco_v1/RECO
 - /Cosmics/Run2010B-Dec22ReReco_v1/RECO
 - 2) reco+skim using 399 of:
 - /Cosmics/Commissioning10-v* /RAW

(continue)

- **Cosmics11** – due problemi che forzano un reprocessing dei dati presi quest'anno:
- 1) "Special" re-reco of Cosmic datasets taken with the wrong TTC trigger timing
 - Since the latency increased by one BX and was not propagated correctly, all the strip data were suppressed during the reconstruction by the RawData unpacker. I.e. no tracks
 - run range from 157867 to 157891
 - Need to change a parameter in the RECO
- 2) Re-reco of Cosmic data taken with the wrong HLT key that went in the MinimumBias PD
 - run range from 157945 to 157989

Produzione di MC e validazione

- **Pre-Production for Spring11** re-digi/re-reco of 398 MC:
 - Request here:
<https://hypernews.cern.ch/HyperNews/CMS/get/dataopsrequests/397.html>
 - Very fast validation feedback needed: stay tuned.
 - Samples: DY(e, mu, tau), W (e, mu, tau), QCD
- **tt+pileup** Special production for TK POG, with optimized event content to keep the debug info for tracking studies.
 - Test sample made. Waiting for green light from TKPOG
 - 10K events with flat 20events pileup
- **Production with 410 GEN+SIM only:**
 - Includes Totem. Will start on March 1st

(continue)

- **Detector failures** new requests made with 398 (which includes already the Pixel blades off):
 - HCAL/ECAL scenarios: QCD_80_120, QCD_3000_3500, H->WW, tt
<https://hypernews.cern.ch/HyperNews/CMS/get/dataopsrequests/394.html>
 - Pixel scenarios: tt
<https://HyperNews/CMS/get/dataopsrequests/394/2.html>
- **2.67TeV production** small production for the data requested by Alice. Few samples to be agreed.
Production release 410

Toward 4_2_0

- 4_2_0 will come out on March 7th
 - New calibration for HCAL, and Pflow for MC already in pre6
- Global Tag to be signed off on March 3rd
- Deployment at T0 on April 23rd
- Validation of 4_2_0 using ReVal and new data ReVal
- Preprod of Digi/reco of MC to start right away
- Pre-production on data: few long runs.
- Production on data: the reprocessing of all the 2010 collision data.

Partecipazione alle ARC

- Noi ci lamentiamo che durante le CWR c'è una risposta un po' poco entusiasta... però
- Interessante vedere come partecipiamo in questo ruolo che è molto importante (e impegnativo)

Chi	Come
Paolo Checchia	EXO-10-007, EXO-10-008 (unificato con EXO-10-006), EXO-10-020 (chair), TOP-10-006 (chair)
Stefano Lacaprarà	EXO-010-024
Franco Simonetto	BPH-10-013
Tommaso Dorigo	EXO-10-021(chair)
Marco de Mattia	SUS-10-012
Patrizia Azzi	TOP-10-008(chair)

Stato FARM Padova

- Arrivati lunedì' nuovi nodi di calcolo (4 nodi x 24 cpu/each = 96 core)
 - Saranno installati e resi disponibili con la nuova configurazione
- Questa settimana i nuovi dischi saranno disponibili
- Siete preallertati per cominciare a copiare la vostra roba da /raidX ai nuovi dischi.
 - Dettagli tecnici seguiranno per mail alla lista
- Iniziate a far mento locale su quello che vi serve, e quello che non vi serve piu'
- **Copiare tutto NON E' UNA OPZIONE**

Prossima Riunione

Martedì 5 Aprile 2011

Ore 16:00

Siete pregati di segnalare eventuali conflitti irrisolvibili con
buon anticipo

ps 1 giorno prima NON è considerato un buon anticipo