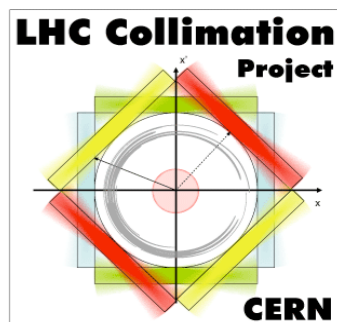


# **Planning for the 2008 collimator MD's at the SPS**

***Stefano Redaelli, AB-OP***



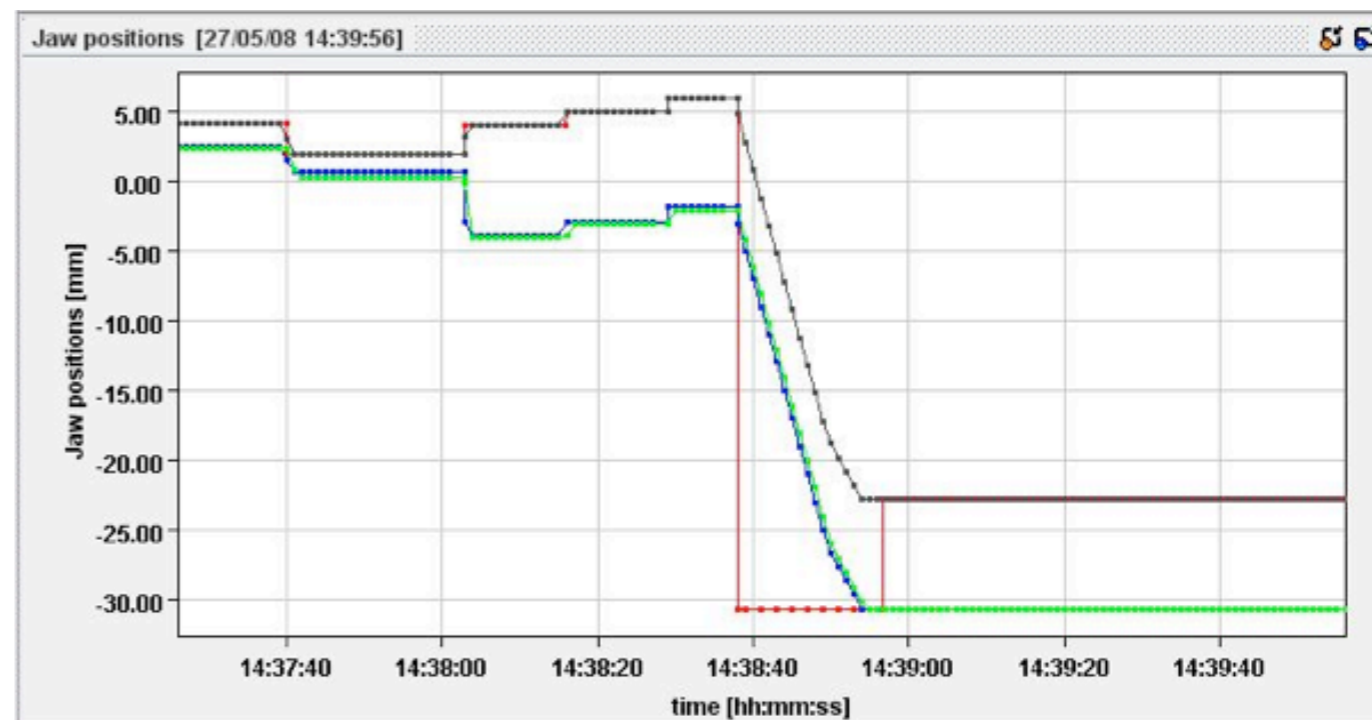
✓ Old **CSS FESA** class **updated** by M. Jonker to run on Linux

✓ **Hardware problem** found during tests preliminary to the beam operation

(A. Masi, M. Jonker, T. Weiler)

Problem traced: as loss of motor steps.

**Fixed** by ATB during the general machine stop of June 9<sup>th</sup>!



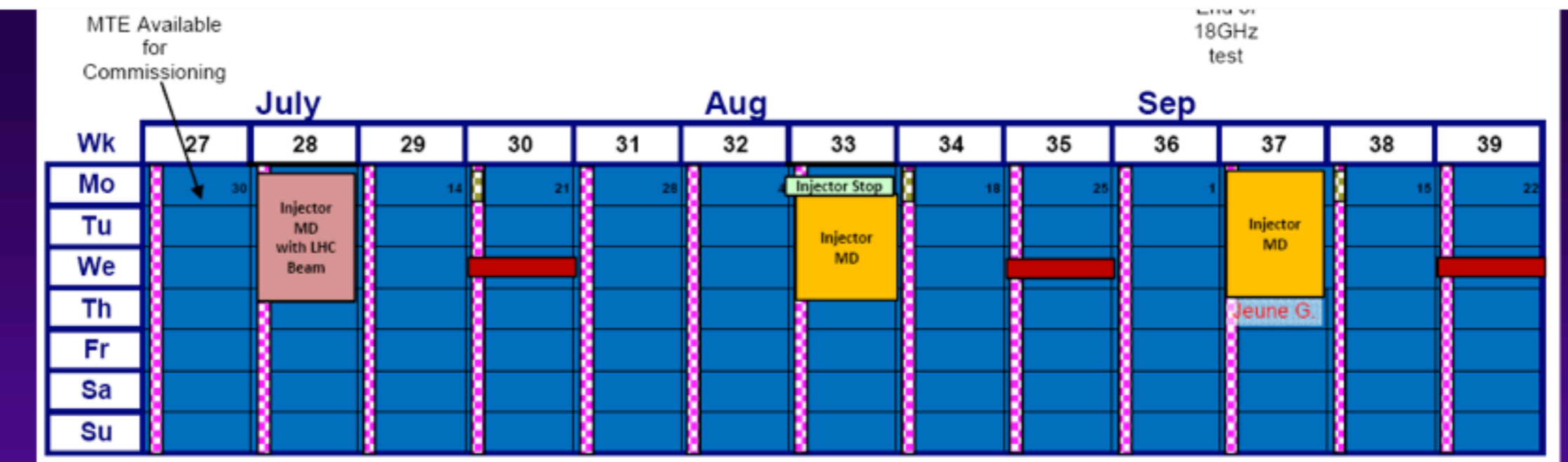
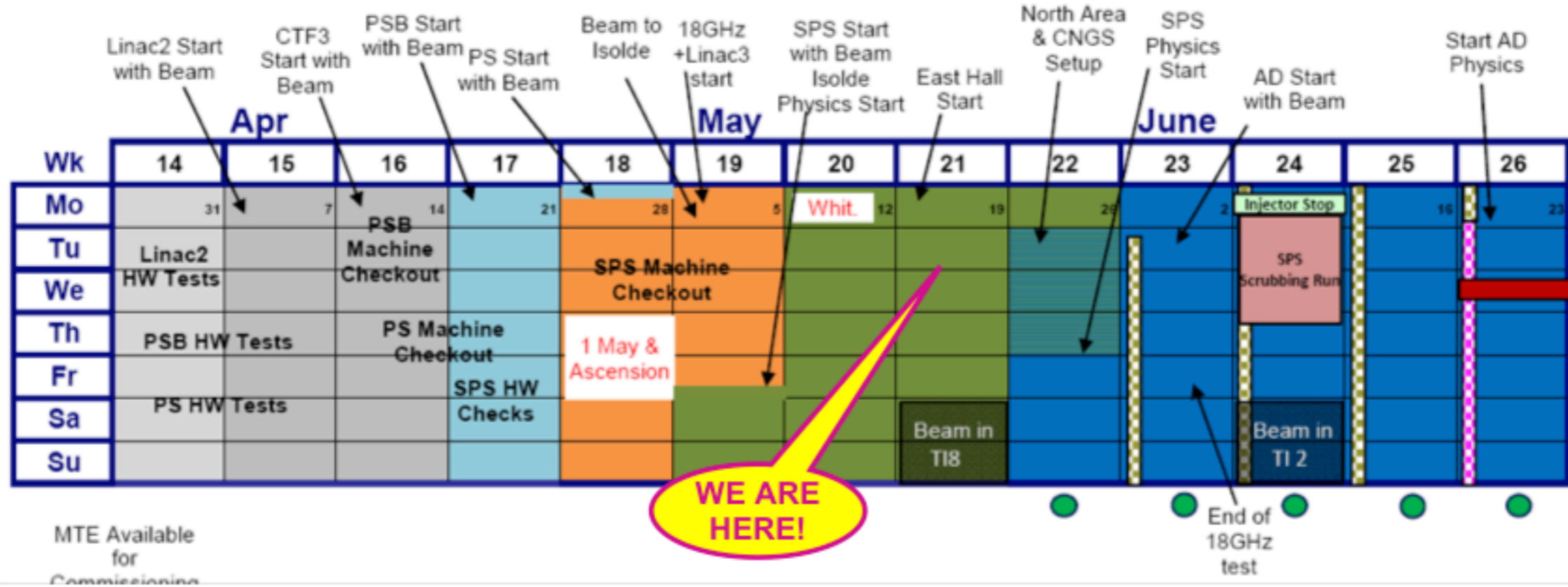
✓ Collimator is now **operational**

Preliminary tests performed without beam (O. Aberle, M. Jonker, S. Redaelli)

✓ **BLM acquisition**: frozen version of the 2007 software.

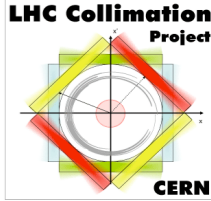
Direct connection to the BLM crates, software will **not** follow the recent developments of the LHC data concentrator.

# Planning





# Requests for 2008



See slides of E. Métral at the APC meeting of March 14<sup>th</sup>, 2008.

## **Our request: 3 x 8h (E=270 GeV protons, stored beam, various intensities)**

Goals: 1) Tests on time structure of beam loss measurement

2) Study of absolute beam loss signals

3) Study of beam-based collimator calibration

4) Test of fast BLM acquisition with collimator movements

## **Requests from the BLM team:**

- Calibration of BLM signal (pulsed beam at injection energy of 26 GeV)

- Frequency spectrum of beam losses from LHC collimator prototype

## **Scraper team:**

- SPS beam scraping and tail re-population