

# **CMS FP420 Status Report**

**FP420 Tech. Integration Meetg. - TIM14**

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# FP420: CMS status (I)

## ■ **Timeline:**

2007: Internal review-panel appointed.

8<sup>th</sup> April'08: Referee session.

28<sup>th</sup> April'08: Public CMS presentation & detailed close-out sessions.

5<sup>th</sup> Sept.'08: Internal review-panel report released.

## ■ **Internal report** results: Focus on physics potential & feasibility.

- **Physics**: Global positive assessment: “interesting program, (...) potential to provide an alternative way of selecting/viewing CMS data”, “it could become critical to CMS for better understanding the Higgs sector (...) such as  $h \rightarrow b\bar{b}$ .”
- **Technical** issues: Timing (10-ps resolution, feasible but needs to be demonstrated), tracking (use of CMS FE/DAQ w/ current detectors ?),
- **Manpower** & resources: Need to assemble larger subcollaboration.

# FP420: CMS status (II)

- **Internal report** recommendations:
  - “Valuable addition to the CMS physics program.”
  - **Prepare CMS-FP420-TDR** addressing following issues:
    - (i) Re-evaluation of bckdgs with real data. (ii) more details on TOF tracking, DAQ; (iii) Lols of collaborating institutions & funding plans.
  - **CMS-FP420-TDR** submission to LHCC after CMS approval.

# Backup slides