



# Summary

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- ❑ Computing Model
- ❑ SICb
- ❑ Event Model
- ❑ Detector Description
- ❑ GAUDI (Pere)
- ❑ GEANT4 (Florence)
- ❑ Status of EU Grid proposal (Frank)



## Computing Model

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- ❑ Feedback on requirements and baseline model encouraged
  - M.McCubbin to compare numbers with MAP measurements
- ❑ Exploitation of CC/IN2P3 Lyon facility
  - Capacity requested but not being used
- ❑ Exploitation of INFN/Condor facility
- ❑ Participation in EU Grid proposal Frank

- ❑ Code management/release procedures to be clarified and updated on the web **Florence/John**
- ❑ Production : faulty cpu leads to catastrophe, new recovery procedure needed **Eric**
- ❑ Mcddata to be documented **Joel**
- ❑ Event size too big (>1MB) goto 500 events /job **Eric**
- ❑ Data quality monitoring expected before Easter **AJ**
- ❑ Field map - need binary file for Linux and NT, no need to read twice **AJ**
- ❑ Problem in pile-up code : 1 week to fix **Andrei/Guy**

- ❑ RICH TDR – Liverpool production. Validate new version of software on standard set of events. **Guy**
- ❑ Start major production of bb events with v233 – use all facilities available (Lyon, RAL,..) **Eric**
- ❑ Production : cpu / data storage profiling to understand increases seen in latest release **Eric**
- ❑ Replacement of SI CbDST by BRUNEL 1
  - Timescale to develop BRUNEL 1 mw – middle May **Marco**
  - Run in parallel over summer
  - Retire SI CBDST sometime after summer



## Event Model

- ❑ Design reviews very successful
  - Guidelines on common approaches
  - Private / public event models - what are the public classes?
  - Adaptor decreases possibility of re-use
  - Role of a toolkit e.g. 'tracking toolkit'
- ❑ BRUNEL : Discussion forum to agree on design of structure, sequencing of algorithms, sharing information etc.
  - Some brainstorming needed soon

Marco



# Detector Description

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- ❑ Study interface to CAD system
- ❑ XML should be screened from user as much as possible
  - Common project? can IT help?
- ❑ Update from survey automatically
- ❑ ~Option A selected for managing CDF and XML representations of geometry
  - Plus monitor to check compatibility
  - Plus tool to generate CDF file from Transient DD store on a per SD basis if really needed
- ❑ Tracking through material
  - Simplified geometry needed, but must be generated automatically from real geometry



- ❑ What SI Cb banks are available? Document on web status of each bank and who is responsible for each.
- ❑ AI DA and Histogram service
  - Histogram of overflow/underflow not supported by HTL even though interface does.
  - HTL functionality based on PAW/JAS (not ROOT)
  - Option to Fill using I D (not clear?)
  - No forum for physicists to input requests
  - Decision-taking by developers
  - Need to organise an open discussion with physicists
- ❑ GAUDI LAB
  - Which graphical toolkit? GTK (free on NT), Qt (CERN)
- ❑ Document release procedures (cf SI Cb)



## GEANT4

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- ❑ Organise training course      Florence
  - How soon and who will attend ?      **SD contacts**
- ❑ Start to work on first GEANT4 prototypes
  - Calorimeter      **Vanya, Ivan, ....**
  - Geometry      **Florence**