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# **Inner Tracking Status**

**Gerrit van Nieuwenhuizen  
Bates R&E meeting  
May 18, 2006**

## 2

# Simulation infrastructure

**GEANT geometries implemented**

**Hit files (fz) can be generated quickly**

**any kind of events, single particles, etc.**

**or using HiJing events as input**

**Root files containing ntuples produced**

**using the standard STAR analysis chain**

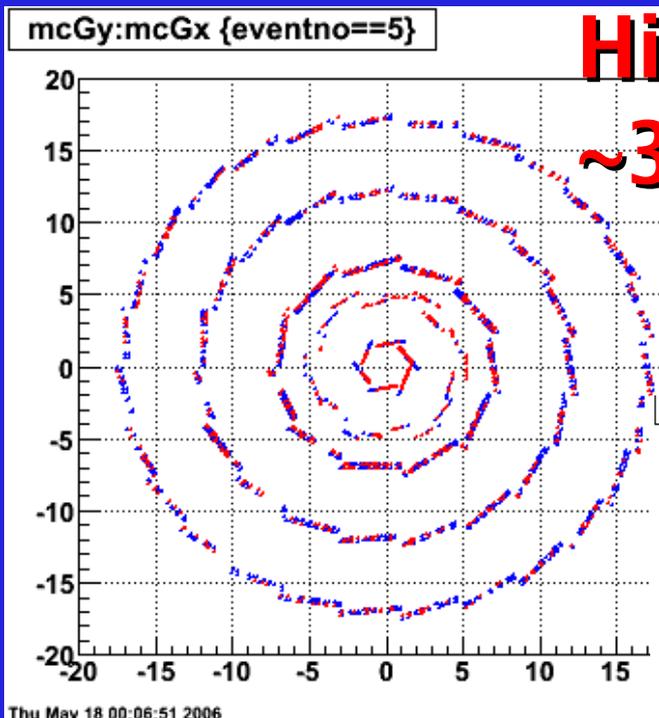
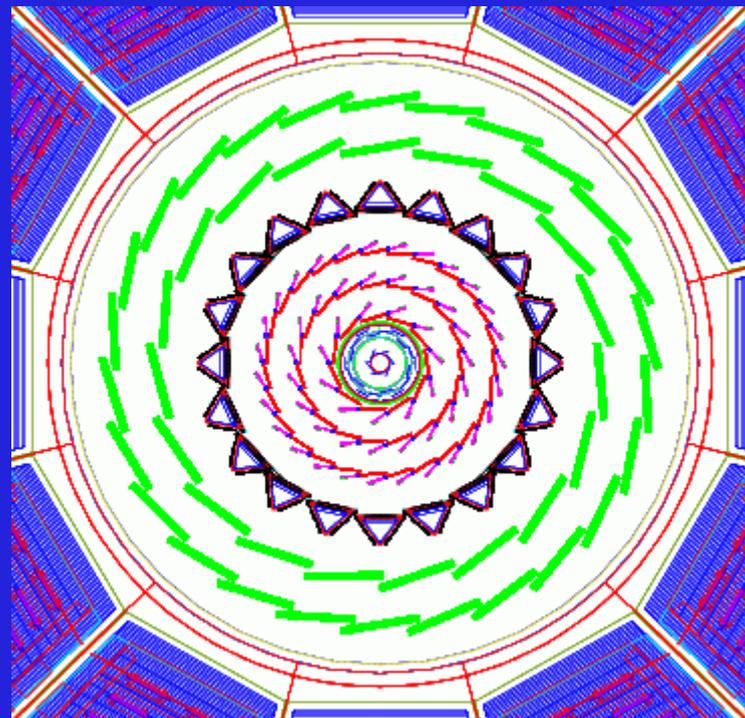
**slow!, but can be split over many RCF nodes**

**Tracking, hit propagation, etc. works**

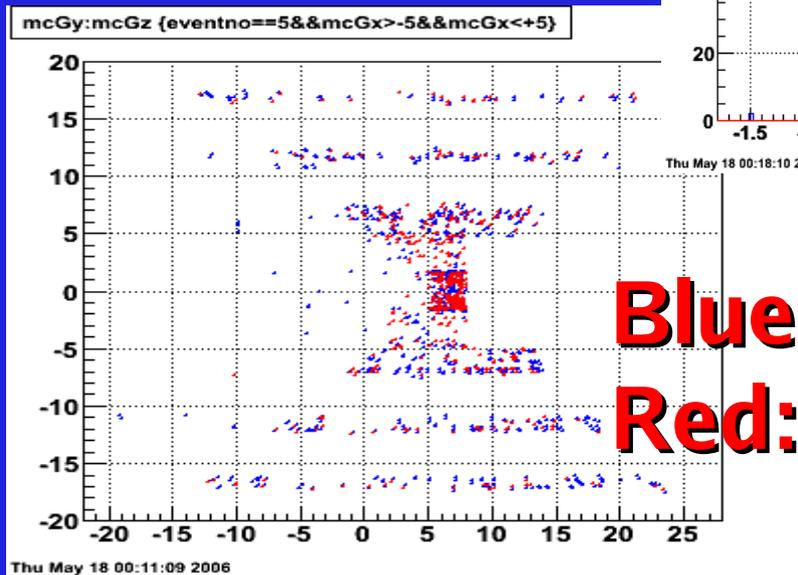
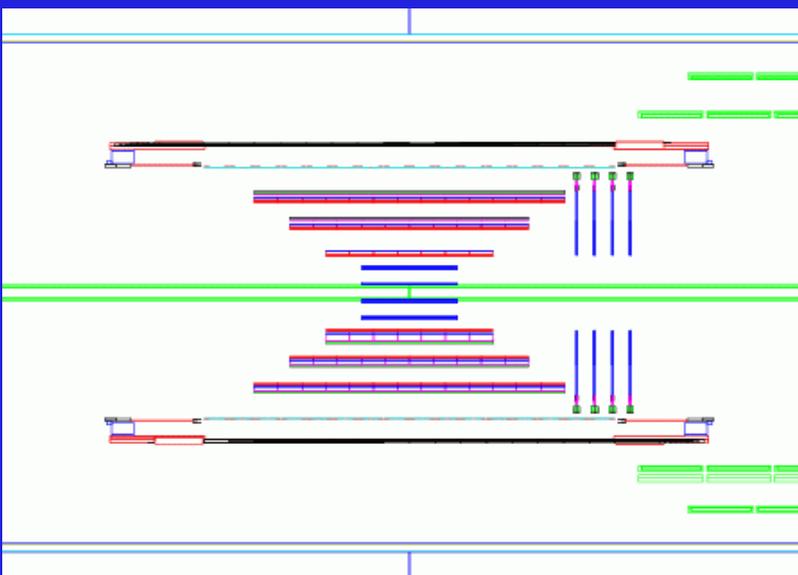
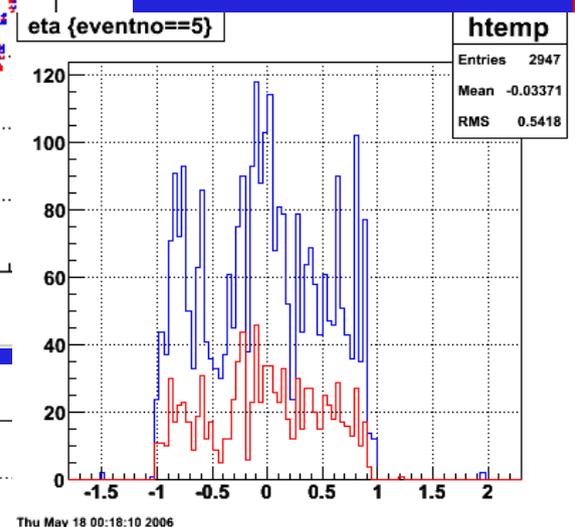
**needs to be carefully tested**

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# Geometry and hits



**HiJing**  
**~3000 particles**



**Blue: all hits**  
**Red: on track**

Thu May 18 00:11:09 2006

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# IST prototyping

Start building in September

Use PHOBOS Type 1 for initial tests

Build low mass, hybrid-less module

Study thermal noise on sensor

Miro made some kapton designs already

