## Introduction

Tobias Haas/DESY
JRA1 Parallel
EUDET Annual Meeting 2007

#### This talk

- Today's Programme
- JRA1 schedule
- Recently accomplished milestones
  - Field mapping
  - Demonstrator/test beam campaign
- Next steps
- Final remark

# Today's Programme

09:30	Introduction	HAAS, Tobias
09:50	Testbeam results	ROLOFF, Philipp
<b>1</b> 0:10	DEPFET testbeam results	REUEN, Lars
10:30	Status of Analysis Software	BULGHERONI, Antonio
11:15	Status of DAQ	EMLYN, Corrin
11:35	Status of R/O Electronics (EUDRB)	BOZZI, Concezio
11:55	Status of MimoTel Sensors	DULINSKI, Wojciech
12:15	Status of mechanics, cooling and infrastructure	GREGOR, Ingrid
12:35	Status of TLU	CUSSANS, David
14:00	Field measurement of PCMAG	FORMENTI, Fabio
14:20	Preliminary results of the PCMAG field map	GREFE, Christian
14:40	MIMOSA5 studies	ZARNECKI, Aleksander Filip
15:00	Next telescope chip	WINTER, Marc
15:20	DEPFET plans	RUMMEL, Stefan
15:40	ISIS plans	HEATH, Helen
16:00	Next Steps and Discussion	ALL

Very busy!!!

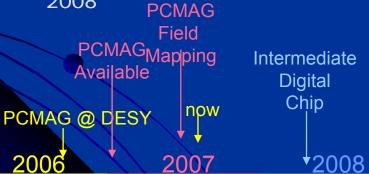
#### JRA1 Schedule

#### Phase1: "Demonstrator"

- First test facility will be available quickly for the groups developing pixels
- Use established pixel technology with analogue readout and no data reduction

#### Phase2: Final telescope

- Use pixel sensor with fully digital readout, integrated Correlated Double Sampling (CDS), and data sparsification
- The beam telescope ready at the end of 2008



+ Large bore magnet

Demonstrator Available Demonstrator **Integration Starts** 

2006

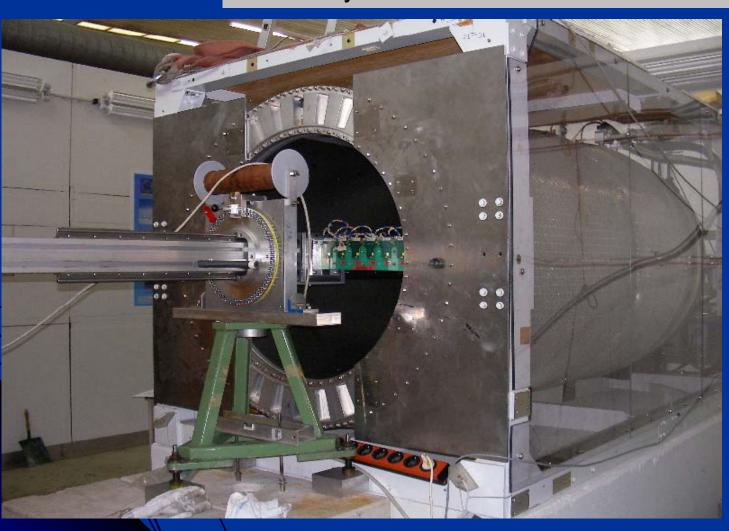
Final Telescope Available

2009

Detailed planning constantly being iterated

#### PCMAG Field Mapping

→ talks by Fabio Formenti and Christian Grefe



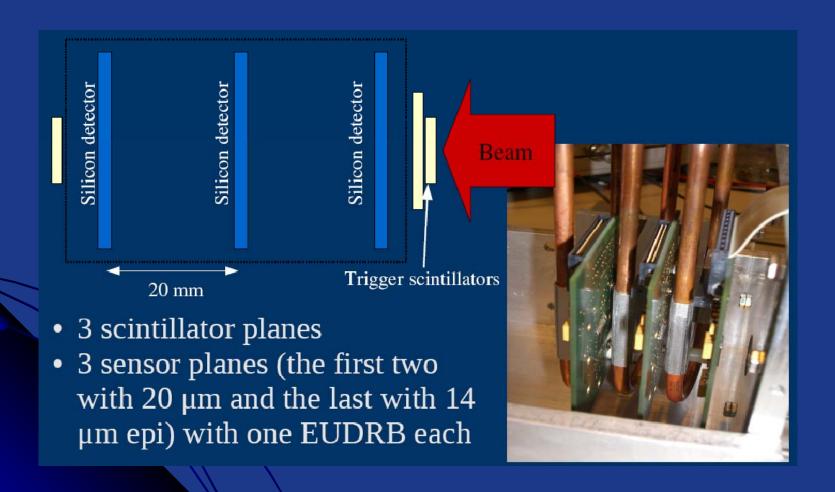
## Test Beam Campaigns

→ talk by Philipp Roloff

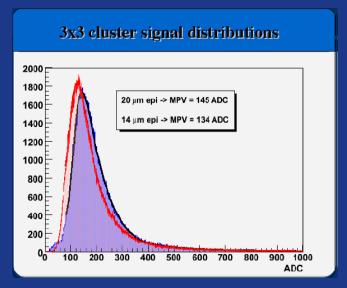
- June 2007: DESY
  - Commissioning, First beams
- August 2007: DESY
  - Full system, First results
- September 2007 (now): SPS @ CERN
  - Demonstrate the performance:
    - Speed
    - Precision

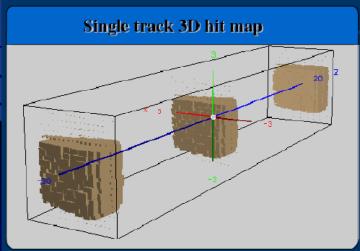
8 October 2007

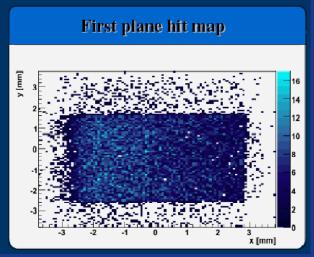
#### **DESY Test beam I**



## **DESY Test beam I**







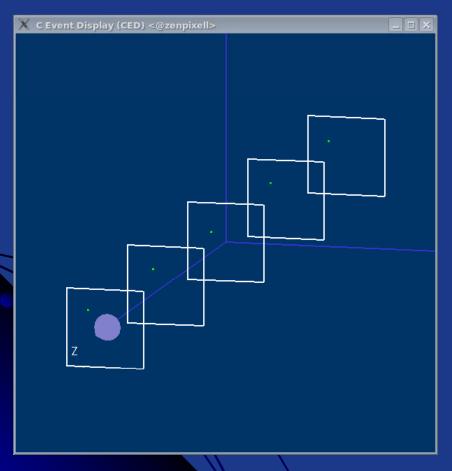
## **DESY Test beam II**

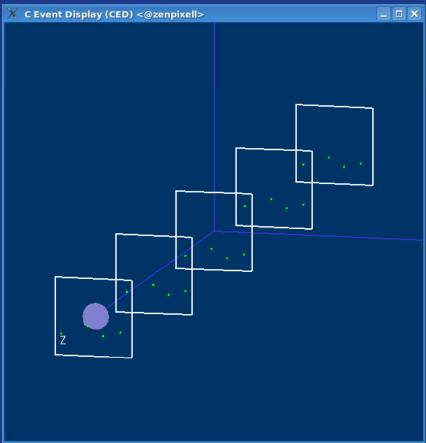


## **DESY Test beam II**

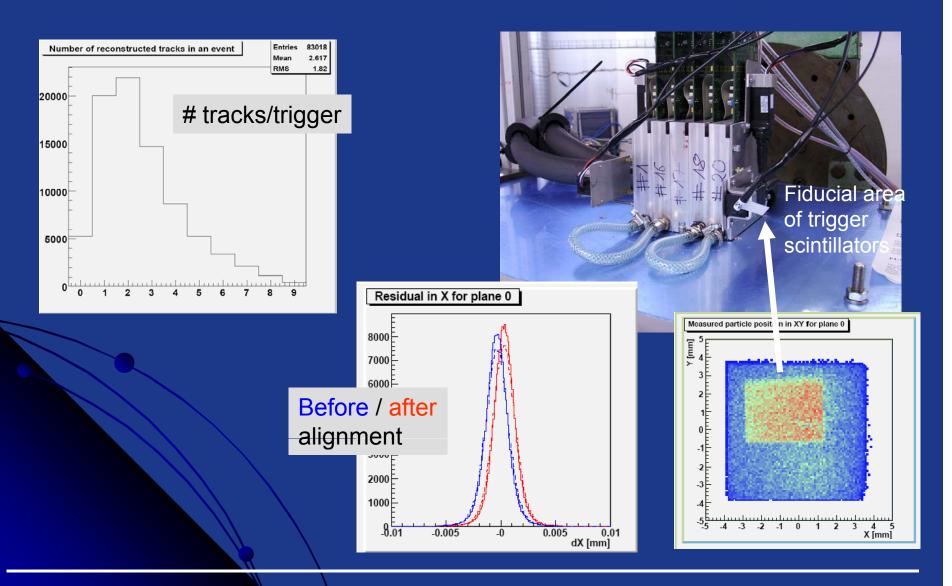


### **DESY Test beam II**





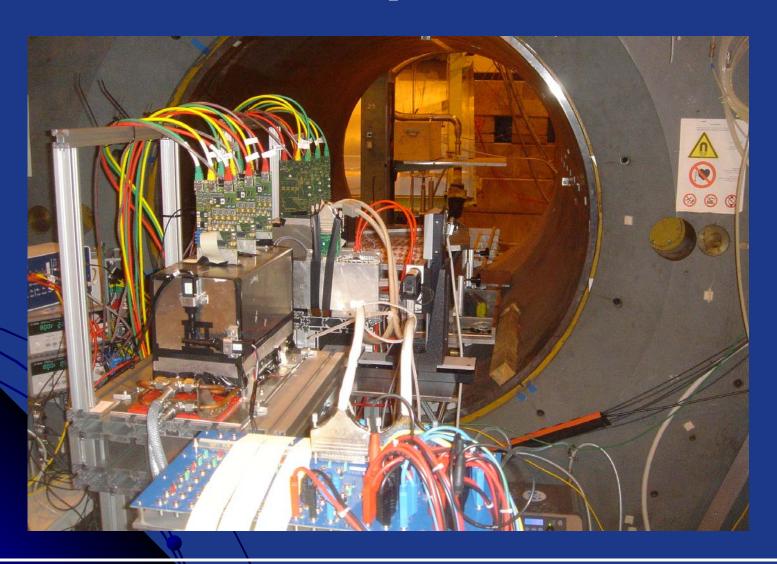
### **DESY Testbeam II**

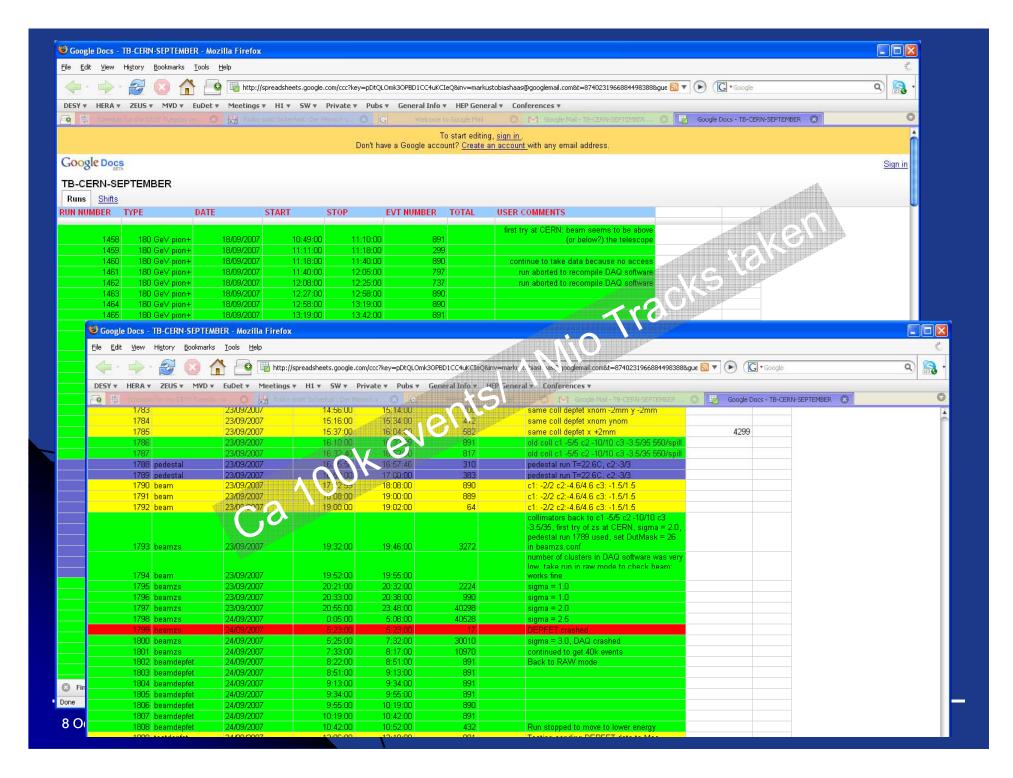


## **CERN Test beam III**

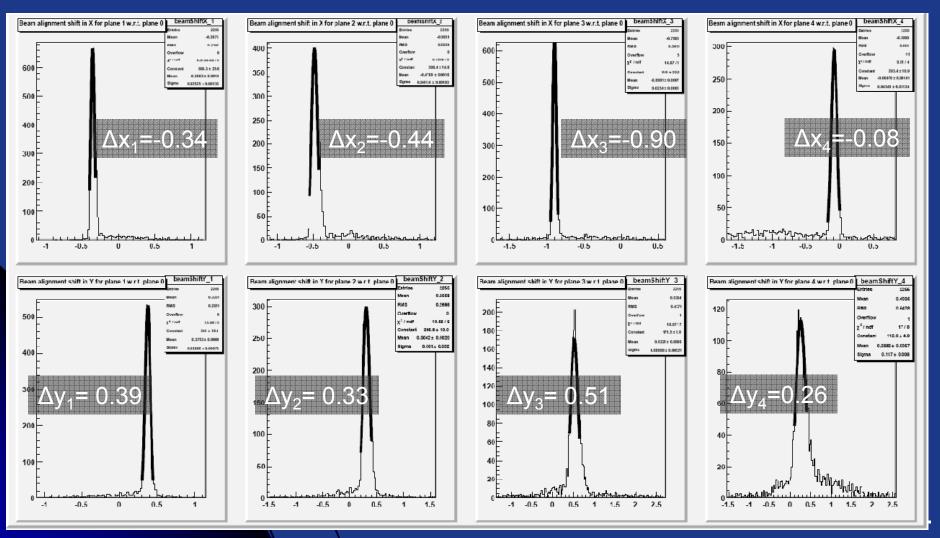


# Telescope in H8





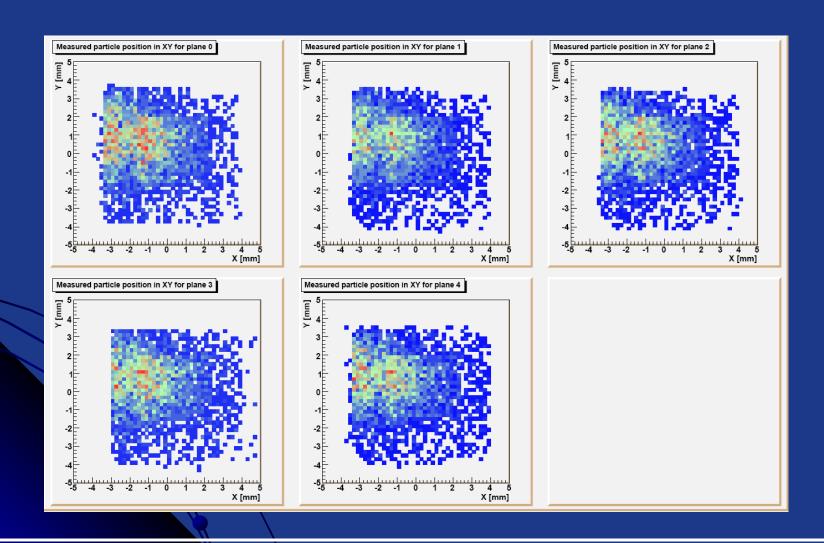
## **Alignment Constants**



8 October 2007

Tobias Haas: Introduction

## Hit Map



## Telescope after moving to H6





























## Pixel Telescope on tour

## Tasks for this Meeting

- Review Progress
- Discuss how to use the demonstrator
  - improvements
  - applications
- Discuss next steps
  - Demonstrator
  - Final Telescope

### **Final Remark**

JRA1 coordination:







Thanks for your support