

Tracking Technical Design Report status

- Status of the work
- Time line
-

FAIR/Pbar/Technical Design Report - TRK

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Technical Design Report for:

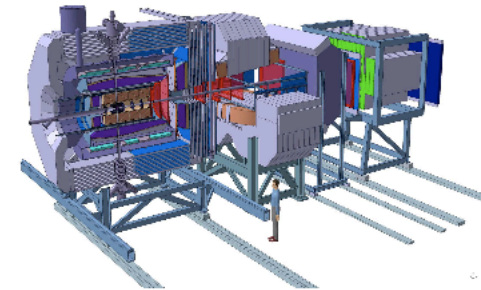
PANDA
Tracking System

(AntiProton Annihilations at Darmstadt)

Strong Interaction Studies with Antiprotons

PANDA Collaboration

June 9, 2009



The Tracking TDR

The Tracking TDR is a multi-volume document describing the technical solutions chosen for:

- Micro Vertex Detector;
- Central Tracker;
- Forward GEM Chambers
- Forward Tracker.

The different volumes have different time scales.

Work done since last meeting I

Concerning the **STT volume** we have the new section regarding dE/dx measurements from the point of view of the theory (by A. Rotondi)

It would be nice to have also some results about the experimental tests done mainly in Juelich →
Volontiers...

Work done since last meeting II

Concerning the **Forward Tracking volume** a lot of work as been done.

Mechanical layout and electronics solutions are described.

The chapter about electronics can fit also for the central STT.

I want to propose to reorganize the work to have separately common aspects

Road map

- We still do not have nothing about the tracking requirements
- We have to define referees to enter into the review process of what is already available

One of the goal of the Tracking TDR is to have the material to make the choice TPC vs STT

When we would like to fix the delivery date?

My proposal is to combine Volume 3 and 6 and to have a first complete draft for for March 2010