

# Table of Contents

<b>Performance &amp; Physics Workshop - Towards First Data: Tracking.....</b>	<b>1</b>
<b>Introduction.....</b>	<b>2</b>
<b>Draft Agenda.....</b>	<b>3</b>
<b>Notes.....</b>	<b>4</b>
Tracking Basics.....	4
Vertexing.....	4
MinBias.....	4
B-tagging.....	4
Taus.....	4

# Performance & Physics Workshop [↗](#) - Towards First Data: Tracking

*%W%* This page should be removed after 9 June.

# Introduction

Outline for Tracking, b-tagging & Taus.

# Draft Agenda

Also see notes below table.

<b>Start</b>	<b>Topic</b>	<b>Organiser/Speaker</b>
14.00	Detector Status	org=Leo
14.25	Data Quality	<b>Thijs</b>
14.40	Trigger	John/Jiri/Stefan
15.00	Alignment & Calibration * Alignment algorithms * Alignment procedures * TRT Calibration: r-t, TR * B-field, X0	<b>Jochen</b>
15.30	Tracking * SW Status/News * Basics * B-physics	Markus ?
15.45	Atlas.MinBias	org=Will Bell
16.00	COFFEE	
16.30	Vertexing	<b>Andi Wildauer</b>
16.45	B-tagging	<b>Laurent</b>
17.30	Tau Triggers	<b>Stefania Xella</b>
17.45	Taus	<b>Elzbieta</b>
18.15	Priorities & Work area for Tracking & Vertexing	<b>Andi</b>
18.30	FINISH	

# Notes

## Tracking Basics

Watch overlap/commonality with Data Quality & Alignment Monitoring.

- Hits
  - ◆ On layers
  - ◆ On tracks
  - ◆ Cluster sizes
  - ◆ Pulls wrt Track Fits
- Tracks
  - ◆ vs eta, phi, pT, charge
  - ◆ Back-tracks
  - ◆ TRT-only tracks
- Scan events missed tracks and other problems
- Tracks in Jets
  - ◆ Num Hits (including shared) vs r, Delta(R), pT(jet)

## Vertexing

- PV
  - ◆ Quality
  - ◆ Distribution in space
- Secondary
  - ◆ Quality
- V0
  - ◆ Quality
  - ◆ Mass

## MinBias

Assume not presented in Standard Model session.

## B-tagging

- Tracking in Jets
- Vertexing: PV, Secondary, V0
- Robustness to Alignment etc
- Algorithms
- Soft Leptons
- Priorities & Work area for First Data

## Taus

- 1-prong, including leptons
  - 3-prong
  - Calo
  - Trigger
  - Priorities & Work area for First Data
-

**Major updates:**

-- StephenHaywood - 09 May 2008

%RESPONSIBLE% StephenHaywood

%REVIEW% **Never reviewed**

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This topic: AtlasArchive > InDetTrackingPerformanceTFDWS

Topic revision: r9 - 2008-07-22 - StephenHaywood



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