

# **ILC TPC Analysis Jamboree**

## **Report of Contributions**

Contribution ID: 2

Type: **not specified**

## Plans with Marlin and TPC

*Wednesday, 14 March 2007 14:30 (30 minutes)*

**Presenter:** DEHMELT, Klaus (DESY)

**Session Classification:** Simulation and reconstruction methods

Contribution ID: 3

Type: **not specified**

## **Geant4 simulations of TPCs**

*Wednesday, 14 March 2007 15:30 (30 minutes)*

**Presenter:** VOGEL, Adrian (DESY)

**Session Classification:** Simulation and reconstruction methods

Contribution ID: 4

Type: **not specified**

## Discussion

*Thursday, 15 March 2007 16:00 (1 hour)*

**Session Classification:** Physics of TPCs from ionisation to signal readout

Contribution ID: 5

Type: **not specified**

## Discussion

*Wednesday, 14 March 2007 16:30 (1h 30m)*

**Session Classification:** Simulation and reconstruction methods

Contribution ID: 6

Type: **not specified**

## **Panda, an example of a continuous readout TPC**

*Thursday, 15 March 2007 14:30 (30 minutes)*

**Presenter:** HÖPPNER, Christian (TU Munich)

**Session Classification:** Physics of TPCs from ionisation to signal readout

Contribution ID: 7

Type: **not specified**

## The physics inside TPCGEMSimulation

*Thursday, 15 March 2007 09:30 (30 minutes)*

**Presenter:** MÜNNICH, Astrid (RWTH Aachen)

**Session Classification:** Physics of TPCs from ionisation to signal readout

Contribution ID: 9

Type: **not specified**

## The physics inside Magboltz

*Thursday, 15 March 2007 09:00 (30 minutes)*

**Presenter:** BIAGI, Stephen (U Liverpool)

**Session Classification:** Physics of TPCs from ionisation to signal readout



Contribution ID: **10**

Type: **not specified**

## Introduction

*Wednesday, 14 March 2007 14:10 (20 minutes)*

**Presenter:** COLAS, Paul (CEA Saclay)

**Session Classification:** Simulation and reconstruction methods

Contribution ID: 11

Type: **not specified**

## **Analytic formulation of spatial resolution for a MPGD readout TPC**

*Thursday, 15 March 2007 10:30 (30 minutes)*

**Presenter:** FUJII, Keisuke (KEK)

**Session Classification:** Physics of TPCs from ionisation to signal readout

Contribution ID: 12

Type: **not specified**

## **Energy resolution on the 55 Fe peak and gain fluctuations**

*Friday, 16 March 2007 09:30 (30 minutes)*

**Presenter:** COLAS, Paul (CEA Saclay)

**Session Classification:** Physics of TPCs from ionisation to signal readout

Contribution ID: 13

Type: **not specified**

## **Ion density and ion effects in the ILC TPC**

*Thursday, 15 March 2007 10:00 (30 minutes)*

**Presenter:** LEPELTIER, Vincent (LAL Orsay)

**Session Classification:** Physics of TPCs from ionisation to signal readout

Contribution ID: 14

Type: **not specified**

## **Gain measurement in various gas mixtures and optimization of the stability**

*Friday, 16 March 2007 10:00 (30 minutes)*

**Presenter:** ATTIE, David (CEA Saclay)

**Session Classification:** Physics of TPCs from ionisation to signal readout

Contribution ID: 16

Type: **not specified**

## **Simulation of charge spreading signals in a TPC with resistive anode**

*Thursday, 15 March 2007 15:00 (30 minutes)*

**Presenter:** TURNBULL, Stephen (Carleton U)

**Session Classification:** Physics of TPCs from ionisation to signal readout

Contribution ID: 17

Type: **not specified**

## **Simulation of the energy resolution dependance on the geometry of Micromegas detectors**

*Friday, 16 March 2007 09:00 (30 minutes)*

**Presenter:** CHEFDEVILLE, Max (NIKHEF)

**Session Classification:** Physics of TPCs from ionisation to signal readout

Contribution ID: **18**

Type: **not specified**

## Track reconstruction in a T2K TPC prototype

*Thursday, 15 March 2007 14:00 (30 minutes)*

**Presenter:** ZITO, Marco (CEA Saclay)

**Session Classification:** Physics of TPCs from ionisation to signal readout



Contribution ID: **19**

Type: **not specified**

## **Reconstruction methods at DESY**

*Wednesday, 14 March 2007 15:00 (30 minutes)*

**Presenter:** DIENER, Ralf (DESY)

**Session Classification:** Simulation and reconstruction methods

Contribution ID: 20

Type: **not specified**

## **First results on electron tracks with GEM-Medipix2/Timepix**

*Friday, 16 March 2007 10:30 (30 minutes)*

**Presenter:** RENZ, Uwe (U Freiburg)

**Session Classification:** Physics of TPCs from ionisation to signal readout

Contribution ID: 21

Type: **not specified**

## **Full Monte Carlo of a TPC equipped with Micromegas**

*Thursday, 15 March 2007 11:00 (30 minutes)*

**Presenter:** SARRAT/DERRÉ (CEA Saclay)

**Session Classification:** Physics of TPCs from ionisation to signal readout

Contribution ID: 22

Type: **not specified**

## Welcome

*Wednesday, 14 March 2007 14:00 (10 minutes)*

**Presenter:** ROTH, Stefan (RWTH Aachen)

**Session Classification:** Simulation and reconstruction methods