

**DTS meeting during annual  
meeting internal area**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

# Challenges in detection of ultra-high intensity heavy ion beams

*Wednesday 9 March 2016 13:30 (20 minutes)*

**Presenter:** SCHLEMME, Steffen (TU Darmstadt/GSI)

**Session Classification:** DTS Parallel Session

Contribution ID: 1

Type: **not specified**

## **High intensity 100ps pulsed proton beam detection with diamond membrane detectors**

*Wednesday 9 March 2016 13:50 (20 minutes)*

**Presenter:** KIS, Mladen

**Session Classification:** DTS Parallel Session

Contribution ID: 2

Type: **not specified**

## **Helmholtz Cube Integration and Application an Large Area High-Z-sensors**

*Wednesday 9 March 2016 14:10 (30 minutes)*

**Presenters:** PENNICARD, David; FIEDERLE, Michael

**Session Classification:** DTS Parallel Session

Contribution ID: 3

Type: **not specified**

## **Percival and CMOS sensor systems – already present in column 1**

**Presenters:** WUNDERLICH, Cornelia; OR SOMEONE ELSE

Contribution ID: 4

Type: **not specified**

## **A novel detection system for Single-Shot Electro-Optical bunch measurements**

*Wednesday 9 March 2016 15:30 (20 minutes)*

**Presenter:** ROTA, Lorenzo

**Session Classification:** DTS Parallel Session

Contribution ID: 5

Type: **not specified**

**Addressing the challenges of future tracking  
detector systems in timing and intensity; a  
diamond-based in-beam start detector system for  
MIPs and heavy ions.**

*Wednesday 9 March 2016 16:50 (20 minutes)*

**Presenter:** PIETRASZKO, Jerzy (GSI)

**Session Classification:** DTS Parallel Session

Contribution ID: 6

Type: **not specified**

## **Challenges in high dynamic range gaseous detector applications and a high precision TPC**

*Wednesday 9 March 2016 16:10 (20 minutes)*

**Presenter:** VOSS, Bernd (GSI)

**Session Classification:** DTS Parallel Session



Contribution ID: 7

Type: **not specified**

## **JuMPAR chip**

*Wednesday 9 March 2016 10:00 (20 minutes)*

**Presenter:** KRUTH / VAN WAASEN, Andre / Stefan (Julich)

**Session Classification:** DTS Parallel Session

Contribution ID: 8

Type: **not specified**

## Large Area High-Z sensors

**Presenter:** FIEDERLE, Michael

Contribution ID: 9

Type: **not specified**

## CMOS Imagers for photon science

**Presenter:** MARRAS, Alessandro

Contribution ID: **10**

Type: **not specified**

## **Materials for HEP detetcors**

*Wednesday 9 March 2016 11:10 (20 minutes)*

**Presenter:** MUSSGILLER, Andreas

**Session Classification:** DTS Parallel Session

Contribution ID: **11**

Type: **not specified**

## **Bump-bonding**

*Wednesday 9 March 2016 10:20 (20 minutes)*

**Presenter:** PITZL OR HANSEN

**Session Classification:** DTS Parallel Session

Contribution ID: **12**

Type: **not specified**

## ASICs at CERN

**Presenter:** CAMPBELL, Michael

Contribution ID: 13

Type: **not specified**

# High speed optical data transmission for detector applications

*Wednesday 9 March 2016 11:30 (20 minutes)*

**Presenter:** SKWIERAWSKI, Piotr

**Session Classification:** DTS Parallel Session

Contribution ID: 14

Type: **not specified**

## Helmholtz DAQ-Platform

*Wednesday 9 March 2016 11:50 (20 minutes)*

**Presenter:** Dr KAEVER, Peter (HZDR)

**Session Classification:** DTS Parallel Session



Contribution ID: 15

Type: **not specified**

## **Time and fast control for CBM experiment (FPGA-Thema)**

**Presenter:** SANDER, Oliver (KIT)

Contribution ID: 16

Type: **not specified**

## **KAPTURE2 - An Ultra-fast Picosecond Digitizer for THz Detectors**

*Wednesday 9 March 2016 15:50 (20 minutes)*

**Presenter:** Dr CASELLE, Michele (KIT)

**Session Classification:** DTS Parallel Session

Contribution ID: 17

Type: **not specified**

## **A novel detection system for Single-Shot Electron-Optical bunch measurements**

**Presenter:** ROTA, Lorenzo (KIT-IPE)

Contribution ID: **18**

Type: **not specified**

## **Summary of the DTS Workshop on Parallel Computing for Data Acquisition and Online Monitoring**

**Presenter:** Dr BUSSMANN, Michael (HZDR)

Contribution ID: **19**

Type: **not specified**

## **Efficient GPU-enabled computing infrastructure for high-speed data acquisition**

*Wednesday 9 March 2016 17:30 (20 minutes)*

**Presenter:** CHILINGARYAN, Suren (KIT)

**Session Classification:** DTS Parallel Session

Contribution ID: 20

Type: **not specified**

## **Scalable tools for user-centric, interactive, live data analysis on HPC clusters**

*Wednesday 9 March 2016 17:50 (20 minutes)*

**Presenter:** Dr BUSSMANN, Michael (HZDR)

**Session Classification:** DTS Parallel Session

Contribution ID: **21**

Type: **not specified**

## ASICS

**Presenter:** CAMPELL

Contribution ID: 22

Type: **not specified**

## Bump Bonding

**Presenter:** Dr HANSEN, Karsten (DESY)



Contribution ID: 23

Type: **not specified**

## Bump bonding

**Presenter:** Dr CASELLE, Michele (KIT)

Contribution ID: 24

Type: **not specified**

**Jumpar**

Contribution ID: 25

Type: **not specified**

## ASIC MT

Contribution ID: 26

Type: **not specified**

## Detektor Materialien

**Presenter:** MUSSGILLER, Andreas (DESY)

Contribution ID: 27

Type: **not specified**

## Challenges of free streaming DAQ's

Lennert, Sander

Contribution ID: **28**

Type: **not specified**

## **ASICs at CERN**

*Wednesday 9 March 2016 09:00 (40 minutes)*

**Presenter:** CAMPBELL, Michael

**Session Classification:** DTS Parallel Session

Contribution ID: 29

Type: **not specified**

## ASIC in HGF overview

*Wednesday 9 March 2016 09:40 (20 minutes)*

**Presenter:** TRUNK, Ulrich

**Session Classification:** DTS Parallel Session

Contribution ID: **30**

Type: **not specified**

## Helmholtz DAQ Platform



Contribution ID: 31

Type: **not specified**

## High speed optical data transmission

Contribution ID: **32**

Type: **not specified**

## KAPTURE

Contribution ID: 33

Type: **not specified**

## Bump bonding

**Presenter:** A, Caselle

Contribution ID: 34

Type: **not specified**

## **Challenges in detection of ultra-high intensity heavy ion beams**

Contribution ID: 35

Type: **not specified**

## **High intensity 100ps pulsed proton beam detection with diamond membrane detectors**

Contribution ID: **36**

Type: **not specified**

## **CMOS sensors**

Contribution ID: 37

Type: **not specified**

## Helmholtz cube

Contribution ID: **38**

Type: **not specified**

## High Z sensoren



Contribution ID: 39

Type: **not specified**

## **A novel detection system for Single-Shot Electro-Optical bunch measurements**

Contribution ID: 40

Type: **not specified**

**Addressing the challenges of future tracking  
detector systems in timing and intensity; a  
diamond-based in-beam start detector system for  
MIPs and heavy ions.**

Contribution ID: 41

Type: **not specified**

## **Challenges in high dynamic range gaseous detector applications**

Contribution ID: 42

Type: **not specified**

## A high precision TPC

Contribution ID: 43

Type: **not specified**

## GPU Programming and Summary

Contribution ID: 44

Type: **not specified**

## **Efficient GPU-enabled computing infrastructure for high-speed data acquisition**

Contribution ID: 45

Type: **not specified**

## Challenges of free streaming DAQ's

*Wednesday 9 March 2016 12:10 (20 minutes)*

**Presenter:** LEHNERT, Jörg (GSI)

**Session Classification:** DTS Parallel Session

Contribution ID: 46

Type: **not specified**

## CMOS Imagers for Photon Science

*Wednesday 9 March 2016 14:40 (20 minutes)*

**Presenter:** MARRAS, Alessandro (DESY)

**Session Classification:** DTS Parallel Session



Contribution ID: 47

Type: **not specified**

## A high precision TPC

Contribution ID: 48

Type: **not specified**

## **A fast imaging detector based on SiPM technology**

*Wednesday 9 March 2016 17:10 (20 minutes)*

**Presenter:** DIEHL, Inge (DESY)

**Session Classification:** DTS Parallel Session

Contribution ID: 49

Type: **not specified**

## high precision TPC

*Wednesday 9 March 2016 16:30 (20 minutes)*

**Presenter:** Mr SCHÄFER, Oliver (DESY Hamburg)

**Session Classification:** DTS Parallel Session