

# **Workshop on sapphire detector construction**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Introduction

*Thursday, 11 January 2024 09:15 (5 minutes)*

**Presenter:** MORANDIN, Mauro (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Sapphire procurement and electrode deposition at Tomsk and FBK

Contribution ID: 2

Type: **not specified**

## **Microstrip sensor production at Tomsk**

*Thursday, 11 January 2024 09:20 (10 minutes)*

**Presenter:** Dr TYAZHEV, Anton (Tomsk University)

**Session Classification:** Sapphire procurement and electrode deposition at Tomsk and FBK

Contribution ID: 3

Type: **not specified**

## **Microstrip sensor production at FBK**

*Thursday, 11 January 2024 09:30 (10 minutes)*

**Presenter:** MARGESIN, Benno (FBK Trento)

**Session Classification:** Sapphire procurement and electrode deposition at Tomsk and FBK

Contribution ID: 4

Type: **not specified**

## **Experience with diamond metallization and effect of non-ohmic contacts**

*Thursday, 11 January 2024 09:40 (20 minutes)*

**Presenter:** Dr TRUCCHI, Daniele (CNR Montelibretti)

**Session Classification:** Sapphire procurement and electrode deposition at Tomsk and FBK

Contribution ID: 5

Type: **not specified**

## Strip resistivity

*Thursday, 11 January 2024 10:00 (5 minutes)*

**Presenters:** GRUTTA, Pietro (Istituto Nazionale di Fisica Nucleare); VASIUKOV, Sergii; VASIUKOV, Sergii (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Sapphire procurement and electrode deposition at Tomsk and FBK

Contribution ID: 6

Type: **not specified**

## **Discussion: lesson learnt, suggestions for future productions**

*Thursday, 11 January 2024 10:05 (10 minutes)*

**Presenter:** ALL

**Session Classification:** Sapphire procurement and electrode deposition at Tomsk and FBK

Contribution ID: 8

Type: **not specified**

## Measurements in Tomsk

*Thursday, 11 January 2024 10:45 (10 minutes)*

**Presenter:** Dr TYAZHEV, Anton (Tomsk University)

**Session Classification:** Characterization and qualification of sapphire sensors with X-rays



Contribution ID: 9

Type: **not specified**

## Measurements in Padova

*Thursday, 11 January 2024 10:55 (10 minutes)*

**Presenters:** VASIUKOV, Sergii; VASIUKOV, Sergii (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Characterization and qualification of sapphire sensors with X-rays

Contribution ID: **10**

Type: **not specified**

## **Diamond measurements under irradiation and measurement of CCE and mu-tau**

*Thursday, 11 January 2024 11:05 (20 minutes)*

**Presenter:** Dr TRUCCHI, Daniele (CNR Montelibretti)

**Session Classification:** Characterization and qualification of sapphire sensors with X-rays

Contribution ID: 11

Type: **not specified**

## **Discussion: exploitation of X-rays for future sapphire characterization, possibility of disintangling and mitigating non-ohmic contact effects**

*Thursday, 11 January 2024 11:25 (20 minutes)*

**Presenter:** ALL

**Session Classification:** Characterization and qualification of sapphire sensors with X-rays

Contribution ID: 12

Type: **not specified**

## **Measurements of CCE with pad sensors and an alpha source, plasma effects**

*Thursday, 11 January 2024 12:05 (10 minutes)*

**Presenter:** MORANDIN, Mauro (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Measuring CCE and mu-tau for sapphire sensors

Contribution ID: 13

Type: **not specified**

## **Measurements of CCE with pad sensors with a low intensity electron beam**

*Thursday, 11 January 2024 12:15 (10 minutes)*

**Presenter:** GRUTTA, Pietro (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Measuring CCE and mu-tau for sapphire sensors

Contribution ID: 15

Type: **not specified**

## **Discussions: how to improve the current evaluations of CCE and mu-tau**

*Thursday, 11 January 2024 12:25 (25 minutes)*

**Presenter:** ALL

**Session Classification:** Measuring CCE and mu-tau for sapphire sensors

Contribution ID: 16

Type: **not specified**

## Follow-up Discussion

*Thursday, 11 January 2024 13:05 (20 minutes)*

**Presenters:** TYAZHEV, Anton; BRUSCHI, Marco (Istituto Nazionale di Fisica Nucleare); MORANDIN, Mauro (Istituto Nazionale di Fisica Nucleare); VASIUKOV, Sergii