

Implementation of TF3 Solid State Detectors

Report of Contributions

Contribution ID: 1

Type: **not specified**

ECFA detector roadmap on Solid-State detectors and Implementation

Wednesday 22 March 2023 09:00 (15 minutes)

Presenter: PELLEGRINI, Giulio (Universidad de Valencia (ES))

Session Classification: Introduction

Contribution ID: 2

Type: **not specified**

Aim of the Workshop - Task of "proposal writing team"

Wednesday 22 March 2023 09:15 (12 minutes)

Presenter: MOLL, Michael (CERN)

Session Classification: Introduction

Contribution ID: 3

Type: **not specified**

DRD3 Questionnaire - Evaluation of Feedback

Wednesday 22 March 2023 09:30 (25 minutes)

Presenter: CARTIGLIA, Nicolo (INFN Torino (IT))

Session Classification: Introduction

Contribution ID: 4

Type: **not specified**

WG3: Ultrahigh fluences

Wednesday 22 March 2023 16:16 (12 minutes)

Presenter: Prof. MIKUZ, Marko (Jozef Stefan Institute (SI))

Session Classification: Radiation damage & ultrahigh fluences

Contribution ID: 5

Type: **not specified**

WG3: Introduction - Radiation Damage and Extreme Fluences

Wednesday 22 March 2023 16:00 (7 minutes)

Presenter: MOLL, Michael (CERN)

Session Classification: Radiation damage & ultrahigh fluences

Contribution ID: 6

Type: **not specified**

WG3: Microscopic damage - Defect Engineering - Measurements and theory - Instrumentation

Wednesday 22 March 2023 16:28 (12 minutes)

Presenter: PINTILIE, Ioana (National Inst. of Materials Physics (RO))

Session Classification: Radiation damage & ultrahigh fluences

Contribution ID: 7

Type: **not specified**

WG3: Discussion

Wednesday 22 March 2023 16:40 (20 minutes)

Presenters: PINTILIE, Ioana (National Inst. of Materials Physics (RO)); Prof. MIKUZ, Marko (Jozef Stefan Institute (SI)); MOLL, Michael (CERN)

Session Classification: Radiation damage & ultrahigh fluences

Contribution ID: 8

Type: **not specified**

WG6: Strategic R&D and opportunities - future activities

Thursday 23 March 2023 10:05 (15 minutes)

Primary author: BERGAUER, Thomas (Austrian Academy of Sciences (AT))

Presenter: BERGAUER, Thomas (Austrian Academy of Sciences (AT))

Session Classification: Non-silicon semiconductor and other material studies

Contribution ID: 9

Type: **not specified**

WG6: Non-silicon semiconductor and other material studies (Discussion)

Thursday 23 March 2023 11:00 (30 minutes)

Presenters: OH, Alexander (University of Manchester (GB)); Dr PELLEGRINI, Giulio (Centro Nacional de Microelectrónica (IMB-CNM-CSIC) (ES)); BERGAUER, Thomas (Austrian Academy of Sciences (AT)); KOFFAS, Thomas (Carleton University (CA)); SHI, Xin (Chinese Academy of Sciences (CN))

Session Classification: Non-silicon semiconductor and other material studies

Contribution ID: 10

Type: **not specified**

Proposal for Organization and anticipation of MOU of the new collaboration (Part I)

Thursday 23 March 2023 14:45 (30 minutes)

Session Classification: Proposal for Organization and anticipation of MOU of the new collaboration

Contribution ID: 11

Type: **not specified**

Proposal for Organization and anticipation of MOU of the new collaboration (PartII)

Thursday 23 March 2023 15:45 (2 hours)

Session Classification: Proposal for Organization and anticipation of MOU of the new collaboration

Contribution ID: 12

Type: **not specified**

WG4: TCAD Simulations

Wednesday 22 March 2023 17:07 (7 minutes)

status, challenges, goals

Presenters: BOMBEN, Marco (APC & Université Paris Cité, Paris (FR)); Dr SCHWANDT, Joern (Hamburg University (DE))

Session Classification: Simulation

Contribution ID: 13

Type: **not specified**

WG4: Monte-Carlo Simulations

Wednesday 22 March 2023 17:14 (7 minutes)

Presenters: SPANNAGEL, Simon (Deutsches Elektronen-Synchrotron (DE)); Dr SCHWANDT, Joern (Hamburg University (DE))

Session Classification: Simulation

Contribution ID: 14

Type: **not specified**

WG4: Radiation damage models

Wednesday 22 March 2023 17:21 (7 minutes)

Presenters: MOROZZI, Arianna (INFN, Perugia (IT)); Dr SCHWANDT, Joern (Hamburg University (DE)); MOSCATELLI, Francesco (IOM-CNR and INFN, Perugia (IT))

Session Classification: Simulation

Contribution ID: 15

Type: **not specified**

WG4: Introduction - simulations

Wednesday 22 March 2023 17:00 (7 minutes)

Presenter: KRAMBERGER, Gregor (Jozef Stefan Institute (SI))

Session Classification: Simulation

Contribution ID: 16

Type: **not specified**

WG4: Discussion

Wednesday 22 March 2023 17:28 (32 minutes)

Session Classification: Simulation

Contribution ID: 17

Type: **not specified**

WG2: Solid state sensors for tracking and calorimetry. Community structure, interests, and blue sky R&D

Wednesday 22 March 2023 14:00 (15 minutes)

Presenter: CARTIGLIA, Nicolo (INFN Torino (IT))

Session Classification: Sensors for tracking and calorimetry

Contribution ID: **18**

Type: **not specified**

WG2: Sensors requirements for the next generation of trackers (~<2035)

Wednesday 22 March 2023 14:15 (15 minutes)

Presenter: GEMME, Claudia (INFN Genova (IT))

Session Classification: Sensors for tracking and calorimetry

Contribution ID: 19

Type: **not specified**

WG2: Milestones and costing of near term strategic R&D

Wednesday 22 March 2023 14:30 (15 minutes)

Presenter: MACCHIOLO, Anna (University of Zurich (CH))

Session Classification: Sensors for tracking and calorimetry

Contribution ID: 20

Type: **not specified**

WG8: Dissemination and outreach

Thursday 23 March 2023 14:15 (15 minutes)

Presenter: CARTIGLIA, Nicolo (INFN Torino (IT))

Session Classification: Dissemination and outreach

Contribution ID: 21

Type: **not specified**

WG6: Non-silicon semiconductor and other material studies, introduction

Thursday 23 March 2023 10:00 (5 minutes)

Presenter: Dr PELLEGRINI, Giulio (Centro Nacional de Microelectrónica (IMB-CNM-CSIC) (ES))

Session Classification: Non-silicon semiconductor and other material studies

Contribution ID: 22

Type: **not specified**

WG6: Plan for deliverables/milestones

Thursday 23 March 2023 10:20 (10 minutes)

Presenter: SHI, Xin (Chinese Academy of Sciences (CN))

Session Classification: Non-silicon semiconductor and other material studies

Contribution ID: 23

Type: **not specified**

WG3: General radiation damage studies

Wednesday 22 March 2023 16:08 (8 minutes)

Presenter: SEIDEL, Sally (University of New Mexico (US))

Session Classification: Radiation damage & ultrahigh fluences

Contribution ID: 24

Type: **not specified**

WG1: Introduction

Wednesday 22 March 2023 11:00 (5 minutes)

Presenter: VILELLA FIGUERAS, Eva (University of Liverpool (GB))

Session Classification: Monolithic CMOS Sensors

Contribution ID: 25

Type: **not specified**

WG1: Toward a DRD3.1 deliverables/milestones implementation proposal

Wednesday 22 March 2023 11:05 (15 minutes)

Presenter: CONTARDO, Didier Claude (Centre National de la Recherche Scientifique (FR))

Session Classification: Monolithic CMOS Sensors

Contribution ID: 26

Type: **not specified**

WG1: Community research interests

Wednesday 22 March 2023 11:20 (10 minutes)

Presenter: VILELLA FIGUERAS, Eva (University of Liverpool (GB))

Session Classification: Monolithic CMOS Sensors

Contribution ID: 27

Type: **not specified**

WG1: General discussion

Wednesday 22 March 2023 11:30 (45 minutes)

Session Classification: Monolithic CMOS Sensors

Contribution ID: 28

Type: **not specified**

WG5: Introduction

Thursday 23 March 2023 09:00 (10 minutes)

Presenter: Dr VILA ALVAREZ, Ivan (Instituto de Física de Cantabria (CSIC-UC))

Session Classification: New characterization techniques and facilities of common interest

Contribution ID: 29

Type: **not specified**

WG5: Task1 Example - TPA-TCT

Thursday 23 March 2023 09:10 (10 minutes)

Presenter: FERNANDEZ GARCIA, Marcos (Universidad de Cantabria and CSIC (ES))

Session Classification: New characterization techniques and facilities of common interest

Contribution ID: **30**

Type: **not specified**

WG5: Task 2 Example - CARIBOU DAQ System

Thursday 23 March 2023 09:20 (10 minutes)

Presenter: DANNHEIM, Dominik (CERN)

Session Classification: New characterization techniques and facilities of common interest

Contribution ID: 31

Type: **not specified**

WG5: Task 3 - Example - Ion Beam testing and irradiations at RBI

Thursday 23 March 2023 09:30 (10 minutes)

Presenters: JAKSIC, Milko; JAKŠIĆ, Milko

Session Classification: New characterization techniques and facilities of common interest

Contribution ID: 32

Type: **not specified**

WG1: Interaction between DRD3.1 and DRD7.6

Wednesday 22 March 2023 12:15 (15 minutes)

Presenters: VILELLA FIGUERAS, Eva (University of Liverpool (GB)); BARBERO, Marlon B. (CPPM, Aix-Marseille Université, CNRS/IN2P3 (FR))

Session Classification: Monolithic CMOS Sensors

Contribution ID: **33**

Type: **not specified**

WG2 Discussion

Wednesday 22 March 2023 14:45 (45 minutes)

Session Classification: Sensors for tracking and calorimetry

Contribution ID: **34**

Type: **not specified**

Discussion

Wednesday 22 March 2023 09:55 (35 minutes)

Session Classification: Introduction

Contribution ID: 35

Type: **not specified**

Discussion

Thursday 23 March 2023 09:40 (20 minutes)

Session Classification: New characterization techniques and facilities of common interest

Contribution ID: **36**

Type: **not specified**

WG8: Discussion

Thursday 23 March 2023 14:30 (15 minutes)

Session Classification: Dissemination and outreach

Contribution ID: 37

Type: **not specified**

WG7: Introduction and analysis

Thursday 23 March 2023 11:30 (10 minutes)

Presenter: CALDERINI, Giovanni (LPNHE-Paris, Centre National de la Recherche Scientifique (FR))

Session Classification: Interconnect and device fabrication technologies

Contribution ID: **38**

Type: **not specified**

WP7: In-house interconnection technologies

Thursday 23 March 2023 11:40 (10 minutes)

Presenter: DANNHEIM, Dominik (CERN)

Session Classification: Interconnect and device fabrication technologies

Contribution ID: 39

Type: **not specified**

WP7: Interconnection technologies via specialised vendors

Thursday 23 March 2023 11:50 (10 minutes)

Presenters: HUEGGING, Fabian; HUEGGING, Fabian (University of Bonn (DE))

Session Classification: Interconnect and device fabrication technologies

Contribution ID: 40

Type: **not specified**

WP7: Discussion

Thursday 23 March 2023 12:00 (30 minutes)

Presenter: ALL

Session Classification: Interconnect and device fabrication technologies