

Categorising the WG4 work

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22/7 -24

Introduction

- Setting up of “sub-groups” for presenting in this meeting; categorising the ongoing work
- This will facilitate discussions, planning, and avoiding duplication of effort
- This has been done on the basis of the EoI so far
- Feel free to comment on this, thoughts and ideas are welcome!
 - Apologies if someone is missed or misinterpreted; this is just an initial sketch
- The goal in the end: **structuring the WG4 meetings**
 - Example on the right
 - Speakers can then notify us where they want to present, and upload slides and/or minutes to that category

WG4 fortnightly meeting	
Monday 5 Aug 2024, 15:00 → 17:50	Europe/Zurich
Håkan Wennlöf (Deutsches Elektronen-Synchrotron (DE))	Marco Mandurrino (Universita e INFN Torino (IT))
15:00 → 15:10	Introduction Speakers: Håkan Wennlöf (Deutsches Elektronen-Synchrotron (DE)), Marco Mandurrino (Universita e INFN Torino (IT))
15:10 → 15:25	Monolithic and hybrid silicon sensor simulations
15:25 → 15:40	Front-end electronics simulations
15:40 → 15:55	Radiation damage and radiation environment simulations
15:55 → 16:10	Gain layer/impact ionisation simulations
16:10 → 16:25	Non-silicon sensor simulations
16:25 → 16:40	3D sensor simulations
16:40 → 16:50	Charge transport and integration of simulation tools
16:50 → 17:00	Other simulation updates
17:00 → 17:10	Discussions and AOB Speakers: Håkan Wennlöf (Deutsches Elektronen-Synchrotron (DE)), Marco Mandurrino (Universita e INFN Torino (IT))

Categories and associated institutes via EoI info

- Hybrid sensors
 - Ankara University
 - Institute of Experimental and Applied Physics, Czech Technical University
 - APC
 - Carleton University
 - Charles University
 - Helsinki Institute of Physics
 - Oak Ridge National Laboratory
- Monolithic sensors
 - Bolu Abant Izzet Baysal University
 - Circuits and Sensors Lab, Aerospace Science and Technology Department, National and Kapodistrian University of Athens
 - DESY
 - GIE ETSI Sevilla group
 - INFN Sezione di Padova
 - INFN Torino
 - IPHC
 - Nikhef
 - Oak Ridge National Laboratory
 - TU Dortmund
 - Univ. of Sci. and Tech. of China

Categories and associated institutes via EoI info

- Front-end electronics
 - Institute of Experimental and Applied Physics, Czech Technical University
 - Jilin University
 - DESY
 - GIE ETSI Sevilla group
 - INFN and University of Perugia
 - University of Manchester
- Radiation damage
 - Ankara University
 - Bolu Abant Izzet Baysal University
 - APC
 - University of Birmingham
 - Carleton University
 - CERN
 - HEPHY
 - Helsinki Institute of Physics
 - INFN and University of Perugia
 - JSI Ljubljana
 - Oak Ridge National Laboratory
 - SCIPP, U.C. Santa Cruz
 - University of Hamburg
 - University of Cambridge
 - University of Delhi

Categories and associated institutes via EoI info

- Gain layer sensors
 - Jilin University
 - AGH University of Krakow
 - CERN
 - IMB-CNM-CSIC
 - HEPHY
 - INFN and University of Perugia
 - INFN Torino
 - University of Manchester
 - Nikhef
 - SCIPP, U.C. Santa Cruz
 - University of Hamburg
 - Univ. of Sci. and Tech. of China
 - University of Delhi
- Non-silicon sensors
 - Institute of Experimental and Applied Physics, Czech Technical University
 - Carleton University
 - Charles University
 - HEPHY
 - Helsinki Institute of Physics
 - JSI Ljubljana
 - University of Manchester
 - Tel Aviv University
 - University of Delhi

Categories and associated institutes via EoI info

- Charge transport and integration of simulation tools
 - Jilin University
 - CERN
 - DESY
 - JSI Ljubljana
 - Oak Ridge National Laboratory
- Radiation environment
 - Circuits and Sensors Lab, Aerospace Science and Technology Department, National and Kapodistrian University of Athens
 - AGH University of Krakow
 - University of Birmingham

Categories and associated institutes via EoI info

- 3D sensors
 - IMB-CNM-CSIC
 - DESY
 - INFN and University of Perugia
 - Nikhef
- Other simulation work
 - Strip sensors. Carleton University, DESY
 - Time-of-flight. Charles University
 - Capacitance simulations. DESY
 - Tracking performance. INFN Sezione di Padova
 - Silicon electron multiplier. Nikhef
 - Material distribution of tracker. TU Dortmund

Backup slides