

2021 Photon Propagator Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome, scope of the workshop

Monday, 18 October 2021 16:00 (20 minutes)

Primary author: RONGEN, Martin (RWTH Aachen University)

Presenter: RONGEN, Martin (RWTH Aachen University)

Session Classification: Photon propagators for simulation production and ice fitting

Contribution ID: 2

Type: **not specified**

Software workflow and responsibilites discussion

Monday, 18 October 2021 18:40 (20 minutes)

Primary author: OLIVAS, Alex (University of Maryland)

Presenter: OLIVAS, Alex (University of Maryland)

Session Classification: Photon propagators for simulation production and ice fitting

Contribution ID: 3

Type: **not specified**

Photon propagation for exotics

Monday, 18 October 2021 17:00 (20 minutes)

Luminescence, indirect Cherenkov ...

Primary author: Dr POLLMANN, Anna (University of Wuppertal)

Presenter: Dr POLLMANN, Anna (University of Wuppertal)

Session Classification: Photon propagators for simulation production and ice fitting

Contribution ID: 4

Type: **not specified**

PPC overview

Monday, 18 October 2021 16:20 (20 minutes)

Primary author: Mr CHIRKIN, Dmitry (University of Wisconsin–Madison)

Presenter: Mr CHIRKIN, Dmitry (University of Wisconsin–Madison)

Session Classification: Photon propagators for simulation production and ice fitting

Contribution ID: 5

Type: **not specified**

clSim Overview

Monday, 18 October 2021 16:40 (20 minutes)

Primary author: HARNISCH, Alexander (Michigan State University)

Presenter: HARNISCH, Alexander (Michigan State University)

Session Classification: Photon propagators for simulation production and ice fitting

Contribution ID: 6

Type: **not specified**

Direct fit in PPC and clSim

Monday, 18 October 2021 17:20 (20 minutes)

Primary authors: NOWICKI, Sarah (Michigan State University); YUAN, Tianlu (University of Wisconsin–Madison)

Presenters: NOWICKI, Sarah (Michigan State University); YUAN, Tianlu (University of Wisconsin–Madison)

Session Classification: Photon propagators for simulation production and ice fitting

Contribution ID: 7

Type: **not specified**

Direct hole ice and cable shadow

Monday, 18 October 2021 18:20 (20 minutes)

Primary author: FIEDLSCHUSTER, Sebastian (Friedrich-Alexander-Universität Erlangen)

Presenter: FIEDLSCHUSTER, Sebastian (Friedrich-Alexander-Universität Erlangen)

Session Classification: Photon propagators for simulation production and ice fitting

Contribution ID: 8

Type: **not specified**

Snowstorm

Monday, 18 October 2021 17:40 (20 minutes)

Presenter: GANSTER, Erik (RWTH Aachen University)

Session Classification: Photon propagators for simulation production and ice fitting

Contribution ID: **10**

Type: **not specified**

Camera Simulation

Tuesday, 19 October 2021 17:00 (20 minutes)

Primary author: KANG, Woosik (Sungkyunkwan University)

Co-author: ROTT, Carsten (University of Utah)

Presenters: ROTT, Carsten (University of Utah); KANG, Woosik (Sungkyunkwan University)

Session Classification: Photon propagation in the Upgrade and beyond

Contribution ID: **11**

Type: **not specified**

Elongated Modules

Tuesday, 19 October 2021 17:20 (20 minutes)

LOM, FOM, WOM ...

Primary authors: SCHMEISSER, Nick (Universität Wuppertal); FIEDLSCHUSTER, Sebastian (Friedrich-Alexander-Universität Erlangen)

Presenters: SCHMEISSER, Nick (Universität Wuppertal); FIEDLSCHUSTER, Sebastian (Friedrich-Alexander-Universität Erlangen)

Session Classification: Photon propagation in the Upgrade and beyond

Contribution ID: 12

Type: **not specified**

Efficiency considerations (ice model, wavelength sampling, etc)

Tuesday, 19 October 2021 18:20 (20 minutes)

Primary author: RONGEN, Martin (RWTH Aachen University)

Presenter: RONGEN, Martin (RWTH Aachen University)

Session Classification: Photon propagation in the Upgrade and beyond

Contribution ID: 13

Type: **not specified**

OptiX interface

Tuesday, 19 October 2021 17:40 (20 minutes)

Primary author: RIEDEL, Benedikt (University of Wisconsin–Madison)

Presenter: RIEDEL, Benedikt (University of Wisconsin–Madison)

Session Classification: Photon propagation in the Upgrade and beyond

Contribution ID: 14

Type: **not specified**

Geant interface

Tuesday, 19 October 2021 18:00 (20 minutes)

Primary authors: HOSHINA, Kotoyo (University of Wisconsin–Madison); SHIMIZU, Nobuhiro (Chiba University)

Presenters: HOSHINA, Kotoyo (University of Wisconsin–Madison); SHIMIZU, Nobuhiro (Chiba University)

Session Classification: Photon propagation in the Upgrade and beyond

Contribution ID: 16

Type: **not specified**

Overview of Photon Propagator requirements for the Upgrade & Gen2

Tuesday, 19 October 2021 16:00 (20 minutes)

Presenter: LARSON, Michael (University of Maryland)

Session Classification: Photon propagation in the Upgrade and beyond

Contribution ID: 17

Type: **not specified**

Triggered Corskia, GEANT

Monday, 18 October 2021 18:00 (20 minutes)

Primary author: MEAGHER, Kevin (University of Wisconsin–Madison)

Presenter: MEAGHER, Kevin (University of Wisconsin–Madison)

Session Classification: Photon propagators for simulation production and ice fitting

Contribution ID: **18**

Type: **not specified**

Upgrade/Gen2 simulation with PPC

Tuesday, 19 October 2021 16:20 (20 minutes)

Primary author: CHIRKIN, Dmitry (University of Wisconsin–Madison)

Presenter: CHIRKIN, Dmitry (University of Wisconsin–Madison)

Session Classification: Photon propagation in the Upgrade and beyond