

3rd Forward Physics Facility Meeting

Report of Contributions

Contribution ID: **103**

Type: **not specified**

Welcome and Introduction

Monday, October 25, 2021 4:00 PM (10 minutes)

Presenter: FENG, Jonathan Lee (University of California Irvine (US))

Session Classification: Conference Opening

Contribution ID: **104**

Type: **not specified**

Facility and Civil Engineering

Monday, October 25, 2021 4:10 PM (10 minutes)

Presenter: BALAZS, Kincso (CERN)

Session Classification: Facility and Civil Engineering

Contribution ID: **105**

Type: **not specified**

Discussion

Monday, October 25, 2021 4:30 PM (10 minutes)

Presenter: FENG, Jonathan Lee (University of California Irvine (US))

Session Classification: Facility and Civil Engineering

Contribution ID: **106**

Type: **not specified**

Background assessment and mitigation: the LHC model in FLUKA

Monday, October 25, 2021 4:40 PM (15 minutes)

Presenter: CERUTTI, Francesco (CERN)

Session Classification: Facility and Civil Engineering

Contribution ID: **107**

Type: **not specified**

Sweeper Magnet

Monday, October 25, 2021 4:55 PM (10 minutes)

Presenter: BOYD, Jamie (CERN)

Session Classification: Facility and Civil Engineering

Contribution ID: **108**

Type: **not specified**

Discussion

Monday, October 25, 2021 5:05 PM (10 minutes)

Presenter: FENG, Jonathan Lee (University of California Irvine (US))

Session Classification: Facility and Civil Engineering

Contribution ID: **109**

Type: **not specified**

FASER 2

Monday, October 25, 2021 5:15 PM (20 minutes)

Presenter: MCFAYDEN, Josh (University of Sussex)

Session Classification: Update from Experiments

Contribution ID: **110**

Type: **not specified**

FORMOSA

Monday, October 25, 2021 5:35 PM (20 minutes)

Presenter: CITRON, Matthew Daniel (Univ. of California Santa Barbara (US))

Session Classification: Update from Experiments

Contribution ID: **111**

Type: **not specified**

FLArE

Monday, October 25, 2021 5:55 PM (20 minutes)

Presenter: DIWAN, Milind Vaman (Brookhaven National Laboratory (US))

Session Classification: Update from Experiments

Contribution ID: **112**

Type: **not specified**

Discussion

Monday, October 25, 2021 6:15 PM (20 minutes)

Presenter: BISHAI, Mary (Brookhaven National Laboratory (US))

Session Classification: Update from Experiments

Contribution ID: **113**

Type: **not specified**

Snowmass Update

Monday, October 25, 2021 6:45 PM (20 minutes)

Presenter: HAN, Tao

Session Classification: FPF Physics

Contribution ID: **114**

Type: **not specified**

Discussion

Monday, October 25, 2021 7:05 PM (10 minutes)

Presenter: GORI, stefania (UC Santa Cruz)

Session Classification: FPF Physics

Contribution ID: 115

Type: **not specified**

A tale of EFTs or a place or two to look at

Monday, October 25, 2021 7:15 PM (20 minutes)

Presenter: JAECKEL, Joerg (ITP Heidelberg)

Session Classification: FPF Physics

Contribution ID: **116**

Type: **not specified**

Discussion

Monday, October 25, 2021 7:35 PM (10 minutes)

Presenter: GORI, stefania (UC Santa Cruz)

Session Classification: FPF Physics

Contribution ID: **117**

Type: **not specified**

Neutrino Theory

Monday, October 25, 2021 7:45 PM (20 minutes)

Presenter: DE GOUVEA, Andre (Northwestern University)

Session Classification: FPF Physics

Contribution ID: **118**

Type: **not specified**

Discussion

Monday, October 25, 2021 8:05 PM (10 minutes)

Presenter: GORI, stefania (UC Santa Cruz)

Session Classification: FPF Physics

Contribution ID: 120

Type: **not specified**

Neutrino interactions at TeV energies and beyond

Tuesday, October 26, 2021 6:00 PM (20 minutes)

Presenter: ROJO, Juan (VU Amsterdam and Nikhef)

Session Classification: Physics of Neutrino Interactions

Contribution ID: 121

Type: **not specified**

What cold nuclear matter effects to expect at very high energy?

Tuesday, October 26, 2021 6:20 PM (20 minutes)

Presenter: DUPRE, Raphael (IPN Orsay)

Session Classification: Physics of Neutrino Interactions

Contribution ID: **122**

Type: **not specified**

Discussion

Tuesday, October 26, 2021 6:40 PM (20 minutes)

Presenter: BALANTEKIN, Baha (University of Wisconsin)

Session Classification: Physics of Neutrino Interactions

Contribution ID: 123

Type: **not specified**

Panel Disussion on Event Generators for Neutrino Interactions

Tuesday, October 26, 2021 7:00 PM (1 hour)

Presenters: GARCIA SOTO, Alfonso Andres (NIKHEF); PANDEY, Vishvas (University of Florida); RENO, Mary Hall; MOSEL, Ulrich (Universitaet Giessen); PICKERING, Luke (Michigan State University); SALA, Paola (INFN Milano (IT)); SOBCZYK, Jan (Wroclaw University)

Session Classification: Event Generators for neutrino interactions at the FPF

Contribution ID: 125

Type: **not specified**

Radiation Protection Studies

Monday, October 25, 2021 4:20 PM (10 minutes)

Presenter: INFANTINO, Angelo (CERN)

Session Classification: Facility and Civil Engineering

Contribution ID: 126

Type: **not specified**

Panel Discussion on Hadron Production at the FPF and event generators for Cosmic Ray Physics

Tuesday, October 26, 2021 5:00 PM (1 hour)

Presenters: SOLDIN, Dennis (University of Delaware); SARCEVIC, Ina (University of Arizona); ANCHORDOQUI, Luis (Lehman College, City University of New York); FEDYNITCH, Anatoli; OSTAPCHENKO, Sergey (University of Karlsruhe); PIEROG, Tanguy (KIT); RIEHN, felix (LIP Lisbon)

Session Classification: Hadron and neutrino production at the FPF and event generators for Cosmic Ray Physics

Contribution ID: 128

Type: **not specified**

Factorization and Forward Production

Tuesday, October 26, 2021 4:00 PM (20 minutes)

Presenter: CHACHAMIS, Grigorios (LIP, Lisbon)

Session Classification: Aspects of QCD factorization and forward production at the FPF

Contribution ID: **129**

Type: **not specified**

Very forward charm production in QCD

Tuesday, October 26, 2021 4:20 PM (20 minutes)

Presenter: SOPER, Davison (University of Oregon)

Session Classification: Aspects of QCD factorization and forward production at the FPF

Contribution ID: 130

Type: **not specified**

Further thoughts.... & Discussion

Tuesday, October 26, 2021 4:40 PM (20 minutes)

Primary author: SJOSTRAND, Torbjorn

Presenter: SJOSTRAND, Torbjorn

Session Classification: Aspects of QCD factorization and forward production at the FPF

Contribution ID: **131**

Type: **not specified**

Advanced SND

Monday, October 25, 2021 8:15 PM (10 minutes)

Presenters: DI CRESCENZO, Antonia (CERN); DI CRESCENZO, Antonia; DE LELLIS, Giovanni (Universita e sezione INFN di Napoli (IT))

Session Classification: Parallel Session

Contribution ID: 132

Type: **not specified**

Tuning PYTHIA for Forward Physics

Monday, October 25, 2021 8:30 PM (10 minutes)

Presenter: FIEG, Max

Session Classification: Parallel Session

Contribution ID: 133

Type: **not specified**

Very forward hadron measurements with LHCf/RHICf detectors

Monday, October 25, 2021 8:45 PM (10 minutes)

Presenter: MENJO, Hiroaki (Nagoya University (JP))

Session Classification: Parallel Session

Contribution ID: 134

Type: **not specified**

Proton interaction and Charm production study by a function of thickness of nuclear material

Monday, October 25, 2021 9:00 PM (10 minutes)

Presenter: SATO, Osamu (Nagoya University (JP))

Session Classification: Parallel Session

Contribution ID: 135

Type: **not specified**

• Sterile Neutrino Oscillations at the FPF

Monday, October 25, 2021 8:15 PM (10 minutes)

Presenter: DENTON, Peter (Brookhaven National Laboratory)

Session Classification: Parallel Session

Contribution ID: 136

Type: **not specified**

Constraining Neutrino Magnetic Moments at the FPF

Monday, October 25, 2021 8:30 PM (10 minutes)

Presenter: MAMMEN ABRHAM, Roshan (Oklahoma State University)

Session Classification: Parallel Session

Contribution ID: 137

Type: **not specified**

Neutral Exotica at FASER \square and SND@LHC

Monday, October 25, 2021 8:45 PM (10 minutes)

Presenter: FARZAN, Yasaman (IPM)

Session Classification: Parallel Session

Contribution ID: 138

Type: **not specified**

The Quirk Signal at FASER

Monday, October 25, 2021 8:15 PM (10 minutes)

Presenter: PEI, Junle

Session Classification: Parallel Session

Contribution ID: 139

Type: **not specified**

Neutrinophilic Dark Matter at LHC Forward Physics Facility

Monday, October 25, 2021 8:30 PM (10 minutes)

Presenter: TUCKLER, Douglas

Session Classification: Parallel Session

Contribution ID: **140**

Type: **not specified**

Dark Sector Search Complementarity at the FPF

Monday, October 25, 2021 8:45 PM (10 minutes)

Presenter: ISMAIL, Ahmed

Session Classification: Parallel Session

Contribution ID: **141**

Type: **not specified**

FASERnu/FASERnu2

Monday, October 25, 2021 9:00 PM (10 minutes)

Presenter: ARIGA, Akitaka (Chiba University Nishi-Chiba Campus (JP))

Session Classification: Parallel Session