

Particle Physics Days 2024

Report of Contributions

Contribution ID: 25

Type: **not specified**

European Particle Physics Strategy update - Finnish perspective

Wednesday 27 November 2024 10:30 (30 minutes)

30 + 5 min

Presenters: HUITU, Katri (Helsinki University); Prof. HUITU, Katri (Helsinki Institute of Physics (FI)); HUITU, Katri (University of Helsinki)

Session Classification: Morning session

Contribution ID: 26

Type: **not specified**

European Particle Physics Strategy update - RECFA and DRD programs

Wednesday 27 November 2024 11:05 (25 minutes)

25 + 5 min

Presenter: Prof. LUUKKA, Panja (Lappeenranta-Lahti University of Technology (FI))

Session Classification: Morning session

Contribution ID: 27

Type: **not specified**

Future Circular Collider (FCC)

Wednesday 27 November 2024 11:35 (20 minutes)

20 + 5 min

Presenters: OSTERBERG, Kenneth (Helsinki Institute of Physics (FI)); OSTERBERG, Kenneth (University of Helsinki)

Session Classification: Morning session

Contribution ID: 29

Type: **not specified**

CMS+TOTEM/PPS experimental overview

Thursday 28 November 2024 10:30 (30 minutes)

25'+5'

Presenter: LAURILA, Santeri (CERN & Helsinki Institute of Physics (FI))

Session Classification: Morning session

Contribution ID: **30**

Type: **not specified**

CMS/PPS upgrades

Thursday 28 November 2024 11:00 (25 minutes)

20'+5'

Presenter: BRUCKEN, Jens Erik (Helsinki Institute of Physics (FI))

Session Classification: Morning session

Contribution ID: **31**

Type: **not specified**

Jets for Run 3

Thursday 28 November 2024 11:25 (20 minutes)

15' + 5'

Presenter: NORJOHARUDDEEN, Nurfikri (Helsinki Institute of Physics (FI))

Session Classification: Morning session

Contribution ID: 32

Type: **not specified**

Quantum computing and HEP data analysis

Thursday 28 November 2024 11:45 (15 minutes)

12'+3'

Presenter: MEHTOLA, Vaino (Helsinki Institute of Physics (FI))

Session Classification: Morning session

Contribution ID: 33

Type: **not specified**

Early Career Researchers - summary from ECFA ECR's

Wednesday 27 November 2024 13:00 (15 minutes)

15+5'

Presenters: MYLLYMAKI, Mikael (Helsinki Institute of Physics (FI)); PAAKKINEN, Petja

Session Classification: Afternoon session

Contribution ID: 34

Type: **not specified**

Preparation for the discussion session

Wednesday 27 November 2024 13:20 (5 minutes)

Presenters: KIRSCHENMANN, Henning (LUT University and Helsinki Institute of Physics (FI)); RASANEN, Sami Sakari (University of Jyvaskyla (FI))

Session Classification: Afternoon session

Contribution ID: 35

Type: **not specified**

Discussion groups

Wednesday 27 November 2024 13:25 (1h 35m)

Session Classification: Afternoon session

Contribution ID: 36

Type: **not specified**

Summaries from the discussions by table chairs

Wednesday 27 November 2024 15:30 (45 minutes)

Presenters: HUITU, Katri (University of Helsinki); OSTERBERG, Kenneth (Helsinki Institute of Physics (FI)); MYLLYMAKI, Mikael (Helsinki Institute of Physics (FI)); Prof. LUUKKA, Panja (Lappeenranta-Lahti University of Technology (FI)); PAAKKINEN, Petja

Session Classification: Evening session

Contribution ID: 37

Type: **not specified**

Discussion

Wednesday 27 November 2024 16:15 (1 hour)

Session Classification: Evening session

Contribution ID: **38**

Type: **not specified**

Future heavy ion experiment ALICE3

Thursday 28 November 2024 09:00 (25 minutes)

25+5'

Presenter: RASANEN, Sami Sakari (University of Jyvaskyla (FI))

Session Classification: Morning session

Contribution ID: 39

Type: **not specified**

GlueSatLight - new ERC project

Thursday 28 November 2024 09:30 (25 minutes)

25+5'

Presenter: Dr MÄNTYSAARI, Heikki (University of Jyväskylä)

Session Classification: Morning session

Contribution ID: 40

Type: **not specified**

Forward calorimeter (FoCal) upgrade in ALICE

Thursday 28 November 2024 13:00 (15 minutes)

15+5'

Presenter: HASSAN, Hadi (University of Jyvaskyla (FI))

Session Classification: Afternoon session

Contribution ID: 41

Type: **not specified**

PYTHIA development in Jyväskylä

Thursday 28 November 2024 13:20 (20 minutes)

20+5'

Presenter: Dr HELENIUS, Ilkka (University of Jyväskylä)

Session Classification: Afternoon session

Contribution ID: 42

Type: **not specified**

Analysis of collective flow with ALICE Run3 data

Thursday 28 November 2024 13:45 (15 minutes)

15+5'

Presenter: MALLICK, Neelkamal (University of Jyväskylä)

Session Classification: Afternoon session

Contribution ID: 43

Type: **not specified**

Dimuon production in DIS with charm mass and NNLO corrections

Thursday 28 November 2024 14:08 (15 minutes)

15+3'

Presenter: YRJÄNHEIKKI, Sami

Session Classification: Afternoon session

Contribution ID: 44

Type: **not specified**

Tachyonic production of dark relics: classical lattice vs quantum 2PI in Hartree truncation

Thursday 28 November 2024 14:23 (15 minutes)

15+3'

Presenter: VÄISÄNEN, Olli

Session Classification: Afternoon session

Contribution ID: 45

Type: **not specified**

Quantum transport theory for mixing neutrinos

Thursday 28 November 2024 15:30 (15 minutes)

15+5'

Presenter: PARKKINEN, Harri (University of Jyväskylä)

Session Classification: Afternoon session

Contribution ID: 46

Type: **not specified**

Experimental neutrino physics in Finland

Thursday 28 November 2024 15:50 (20 minutes)

20+5'

Presenters: LOO, Kai Krister; LOO, Kai Krister (University of Jyvaskyla (FI)); Dr LOO, Kai (University of Jyvaskyla, Finland)

Session Classification: Afternoon session

Contribution ID: 52

Type: **not specified**

Data unfolding for model independent comparison of dark matter direct detection experiments

Thursday 28 November 2024 16:15 (20 minutes)

20+5'

Presenter: HEIKINHEIMO, Matti Pekka Samuli (University of Helsinki and Helsinki Institute of Physics)

Session Classification: Afternoon session

Contribution ID: 54

Type: **not specified**

Migdal effect in solid state dark matter detectors

Thursday 28 November 2024 16:40 (15 minutes)

15+5'

Presenter: AL-ADULRAZZAQ, Aula

Session Classification: Afternoon session

Contribution ID: 55

Type: **not specified**

RECFA

Wednesday 27 November 2024 17:30 (15 minutes)

Presenter: Prof. LUUKKA, Panja (Lappeenranta-Lahti University of Technology (FI))

Session Classification: Agenda

Contribution ID: 56

Type: **not specified**

Lammi Biological Station: Research done here

Thursday 28 November 2024 14:40 (20 minutes)

Session Classification: Afternoon session

Contribution ID: 57

Type: **not specified**

Survey and group picture (QR Code, link, and picture)

Thursday 28 November 2024 14:59 (1 minute)

Session Classification: Afternoon session