

Session Program

27-28 Nov 2024

Particle Physics Days 2024

Afternoon session

Wednesday 27 November

13:00

Afternoon session: Group discussions on strategy

Session | Location:

13:00–13:15 **Early Career Researchers - summary from ECFA ECR's**

Speakers

Mikael Myllymaki, Petja Paakkinen

13:20–13:25 **Preparation for the discussion session**

Speakers

Henning Kirschenmann, Sami Sakari Rasanen

13:25–15:00 **Discussion groups**

15:00

Thursday 28 November

13:00

Afternoon session: Various topics

Session | Location:

13:00–13:15 **Forward calorimeter (FoCal) upgrade in ALICE**

Speaker

Hadi Hassan

13:20–13:40 **PYTHIA development in Jyväskylä**

Speaker

Dr Ilkka Helenius

13:45–14:00 **Analysis of collective flow with ALICE Run3 data**

Speaker

Neelkamal Mallick

14:08–14:23 **Dimuon production in DIS with charm mass and NNLO corrections**

Speaker

Sami Yrjänheikki

14:23–14:38

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

Speaker

Olli Väisänen

14:40–15:00 **Lammi Biological Station: Research done here**

14:59–15:00 **Survey and group picture (QR Code, link, and picture)**

15:00

15:30

Afternoon session: Various topics

Session | Location:

15:30–15:45 **Quantum transport theory for mixing neutrinos**

Speaker

Harri Parkkinen

15:50–16:10 **Experimental neutrino physics in Finland**

Speakers

Kai Krister Loo, Kai Krister Loo, Dr Kai Loo

16:15–16:35

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

Speaker

Matti Pekka Samuli Heikinheimo

16:40–16:55 **Migdal effect in solid state dark matter detectors**

17:18

Speaker

Aula Al-Adulrazzaq