

Session Program

31 January 2022 to 1 February 2022

4th Forward Physics Facility Meeting
Astroparticle Working Group

Monday 31 January

19:15

Astroparticle Working Group

Session | Convener: Dennis Soldin

19:15–19:30

Synergies Between the FPF and Neutrino Observatories

Speaker

Tim Ruhe

19:30–19:45

The effect of forward charm production modelling on prompt neutrino flux estimates

Speaker

Atri Bhattacharya

19:45–20:00

An explanation of the muon puzzle of ultrahigh-energy cosmic rays and the role of the Forward Physics Facility for model improvement

Speaker

Sergio Sciutto

20:00–20:15

Tuning Pythia for Forward Physics

Speaker

Max Fieg

20:15–20:30

Freeze-in sterile neutrino dark matter in a class of $U(1)^\prime$ models with inverse seesaw

Speaker

Tanmay Poddar

20:30–20:45

Dark matter freeze-in from semi-production

Speaker

Maxim Laletin

20:45–21:00

Searching for rich dark sectors in the FPF through secondary production and in indirect dark matter searches

Speaker

Krzysztof Jodkowski

21:00