

Session Program

10 April 2025

IPNP: topical AI/ML meeting Talks

JCMB, Higgs Centre

Thursday 10 April

09:30

Talks

Session | **Location:** JCMB, Higgs Centre

09:30–09:45

Introduction

Speaker

Gurtej Kanwar

09:45–10:15

Neural Networks for Inverse Problems in Particle Physics

Speaker

Luigi Del Debbio

10:15–10:45

AI/ML in Medical Physics

Speaker

Benjamin Wynne

10:45

11:15

Talks

Session | **Location:** JCMB, Higgs Centre

11:15–11:45

Theory of wide neural networks

Speaker

Richard Kenway

11:45–12:15

Machine learning for Higgs physics

Speaker

Liza Mijovic

12:15

13:00

Talks

Session | **Location:** JCMB, Higgs Centre

13:00–13:30

ML & AI applications in Experimental Particle Physics

Speaker

Christos Leonidopoulos

13:30–14:00

Transformers and Modern AI/ML at the ATLAS Experiment

Speaker

Alex Sopio

14:00