Session Program

19-21 Mar 2025

Bootcamp: Computational tools for physics

Invited talks

Malott Hall, 2048
1251 Wescoe Dr

Wednesday 19 March

11:15

Invited talks: Day 1
Session | **Location:** Malott Hall, 2048, 1251 Wescoe Dr | **Convener:** Sanyukta Agarwal

11:15–11:35 **Interferometric Reconstruction**

Speaker
Aishwarya Vijai

11:35–11:55 **Statistical Tools for Neutrino Signal Search**

Speaker
Pawan Giri

11:55–12:15 **Source Modeling in Large Astronomical Imaging Surveys**

Speaker
Viraj Manwadkar

12:15

Thursday 20 March

11:15

Invited talks: Day 2

Session | **Location:** Malott Hall, 2048, 1251 Wescoe Dr | **Convener:** Anna Binoy

11:15–11:35 **Singular Value Decomposition for RFI Denoising**

Speaker
Curtis McLennan

11:35–12:15 **Monte Carlo Simulations**

Speaker
Christoph Welling

12:15

Friday 21 March

11:15

Invited talks: Day 3

Session | **Location:** Malott Hall, 2048, 1251 Wescoe Dr | **Convener:** Anna Binoy

11:15–11:35

Offline Neutrino Filtering using a Convolutional Neural Network at the Radio Neutrino Observatory Greenland

Speaker
Ruben Camphyn

11:35–11:55

Machine Learning for Applications in Condensed Matter Physics Research

Speaker
Gabriella Townsley

11:55–12:15   **Artificial Intelligence at the High Energy Frontier**

Speaker
Margaret Rose Lazarovits

12:15