

Session Program

November 20, 2023 to December 1, 2023

1st ErUM-IFT Collaboration Meeting Talk

MPA Garching, E.O.11
Karl-Schwarzschild-Straße 1, 85748 Garching bei München

Mon, November 20

10:00 AM

11:00 AM

11:30 AM

12:30 PM

Talk: Introduction to Jax

Session | **Location:** MPA Garching, E.0.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

Talk: Introduction to Jax-Nifty (jifty)

Session | **Location:** MPA Garching, E.0.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

Tue, November 21

9:30 AM

10:15 AM

10:15 AM

11:00 AM

Talk: Interfacing nifty & other ML frameworks - Jakob Roth

Session | **Location:** MPA Garching, E.0.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

Talk: Custom operators - Philipp Frank

Session | **Location:** MPA Garching, E.0.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

Wed, November 22

10:00 AM

Talk: The challenge of resolution in fluorescence imaging - Judith Reindl**Session** | **Location:** MPA Garching, E.0.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

10:30 AM

10:30 AM

Talk: From Bayesian estimators to ML - Philipp Frank**Session** | **Location:** MPA Garching, E.0.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

11:00 AM

1:30 PM

Talk: Radio Interferometry with nifty/Resolve and ML-approaches - David Smolinski**Session** | **Location:** MPA Garching, E.0.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

2:00 PM

2:00 PM

Talk: Automatic modeling of complex superposed systems with IFT - Richard Fuchs**Session** | **Location:** MPA Garching, E.0.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

2:30 PM

2:30 PM

Talk: cINN - Martin Erdmann**Session** | **Location:** MPA Garching, E.0.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

2:50 PM

Thu, November 23

10:00 AM

Talk: Optimal modeling of antenna beam - Morteza Pashapourahmanabadi

Session | **Location:** MPA Garching, E.0.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

10:30 AM

10:30 AM

Talk: Modeling Signal Propagation through the Atmosphere for Air Shower Radio Emissions - Martin Erdmann

Session | **Location:** MPA Garching, E.0.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

11:00 AM

1:30 PM

Talk: Reconstruction methods for radio detection of air showers with LOFAR - Karen Terveer

Session | **Location:** MPA Garching, E.0.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

2:00 PM

2:00 PM

Talk: TBD - Simon Strähnz

Session | **Location:** MPA Garching, E.0.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

2:30 PM

Fri, November 24

11:30 AM

Talk: Bayesian radio interferometric imaging - Jakob Roth**Session** | **Location:** MPA Garching, E.O.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

12:00 PM

12:00 PM

Talk: AI Tool Halerium - Theo Steininger/Maksim Greiner (Erium GmbH)**Session** | **Location:** MPA Garching, E.O.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

12:30 PM

2:30 PM

Talk: Towards Automatic Point Source Detection or Bayesian Causal Inference - Matteo Guardiani**Session** | **Location:** MPA Garching, E.O.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

3:00 PM

3:00 PM

Talk: Spatially Variant Point Spread Functions for Bayesian Imaging - Vincent Eberle**Session** | **Location:** MPA Garching, E.O.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

3:30 PM

4:00 PM

Talk: Bayes Forum: Disentangling the Fermi LAT sky - Lukas Platz**Session** | **Location:** MPA Garching, E.O.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München

5:00 PM