



# CS & Physics Meet-Up by Lamarr & B3D

## Thursday, 30 November 2023

**Pitch Talks: ML Methods and Application Examples (in Physics) - Joseph-von-Fraunhofer Strasse 25, Floor 3, Room 302 - Lamarr Co-Working Space (09:50 - 10:40)**

-Conveners: Jens Buss

time	[id] title	presenter
09:50	[26] ML Appl. Example Neutrino + Neutrino Map of the Universe	Dr HUENNEFELD, Mirco
10:00	[36] Class-conditional label noise	Dr BUNSE, Mirko
10:10	[40] Deep Learning for real-time classification of astronomical radio signals	KAZANSREV, Andrei
10:20	[35] Innovative approaches for galaxy cluster mass determination via deep learning	BASU, Kaustuv
10:30	[55] Representing and rendering large noisy radio data cubes	Prof. HINKENJANN, André

**Pitch Talks: Inverse Problems - Joseph-von-Fraunhofer Strasse 25, Floor 3, Room 302 - Lamarr Co-Working Space (14:00 - 14:50)**

-Conveners: Jens Buss

time	[id] title	presenter
14:00	[21] Quantification	Dr BUNSE, Mirko
14:10	[22] Solving Inverse Problems with Deep Learning	KONIETZNY, Sebastian Dr UELWER, Tobias
14:20	[23] Unfolding in Astroparticle Physics	KARDUM, Leonora Prof. RHODE, Wolfgang
14:30	[32] Atmospheric Noise Removal for FYST: Current Methods and ML Prospects	DEV, Ankur
14:40	[39] Leveraging Machine Learning for Next-Generation Radio Pulsar Searches	Dr BALAKRISHNAN, Vishnu

# Friday, 1 December 2023

**Pitch Talks: Problems and data sources - Joseph-von-Fraunhofer Strasse 25, Floor 3, Room 302 - Lamarr**

**Co-Working Space (09:30 - 10:30)**

time	[id] title	presenter
09:30	[16] Particle Shower Simulation	BAACK, Dominik
09:40	[29] Radio Data Simulations	GEYER, Felix SCHMIDT, Kevin
09:50	[38] Potential ML applications to accelerate ISM simulation	RATHJEN, Tim-Eric
10:00	[14] ML Solutions for Time Series Problems	Dr SADALLAH, Amal
10:10	[33] Time Series Data - Machine Learning For Observatory Sites	Dr TIMMERMANN, Ralf
10:20	[43] P-adic numbers	Prof. LIEBIG, Thomas