

First MODE Workshop on Differentiable Programming

Tuesday, 7 September 2021

Applications in Neutrino Detection - Auditorium CYCL-01 (17:00 - 19:25)

-Conveners: Kazuhiro Terao

time	[id] title	presenter
17:00	[24] AI In Neutrinoless Double Beta Decay Searches	ADAMS, Corey
17:20	Discussion	
17:25	[25] Machine Learning Techniques for Water Cherenkov Event Reconstruction	PROUSE, Nick
17:45	Discussion	
17:50	[26] Scalable, End-to-End, Deep-Learning-Based Data Reconstruction Chain for 3D Particle Imaging Detectors	DRIELSMA, François
18:10	Discussion	
18:15	[27] Dark matter and its ML-enhanced direct detection	TUNNELL, Christopher
18:35	Discussion	
18:40	[28] P-ONE: Test Case for ML Based Detector Design	HAACK, Christian
19:00	Discussion	
19:05	[35] GENETIS: Evolving Antennas for Ultra-High Energy Neutrino Detection	MACHTAY, Alexander
19:20	Discussion	