

Session Program

19-24 Nov 2023



Quantum Techniques in Machine Learning (QTMML conference 2023)

Trainability of Quantum Architectures

CERN, 500/1-001 - Main Auditorium

Tuesday 21 November

14:45

Trainability of Quantum Architectures

Session | **Location:** CERN, 500/1-001 - Main Auditorium | **Convener:** Dr Martina Larocca

14:45-15:15

Trainability barriers and opportunities in quantum generative modeling

Speaker

Manuel Rudolph

15:15-15:45

On the Sample Complexity of Quantum Boltzmann Machine Learning

Speaker

Luuk Coopmans

15:45-16:15

On the Absence of Barren Plateaus in Quantum Generative Adversarial Networks

Speaker

Dr Christa Zoufal

16:15-16:45

Deep quantum neural networks form Gaussian processes

Speaker

Diego Garcia-Martin

16:45-17:00

Here comes the $SU(N)$ multivariate quantum gates and gradients

Speaker

Roeland WIERSEMA

17:00