

Session Program

19-24 Nov 2023



Quantum Techniques in Machine Learning (QTML conference 2023)

QML for Physics

CERN, 500/1-001 - Main Auditorium

Thursday 23 November

15:30

QML for Physics

Session | Location: CERN, 500/1-001 - Main Auditorium | Convener: Dr Sofia Vallecorsa

15:30-15:45

Quantum anomaly detection in the latent space of proton collision events at the LHC

Speaker

Vasilis Belis

15:45-16:00

Quantum data learning for quantum simulations in high-energy physics

Speaker

Dr Lento Nagano

16:00-16:15

Ab initio Quantum Simulation of Strongly Correlated Materials with Quantum Embedding

Speaker

Jinzhao Sun

16:15-16:30

Detection of quantum phase transitions with quantum machine learning techniques

Speaker

Antonio Mandarino

16:30-16:45

Simulating dynamics of large quantum systems on small quantum devices using circuit knitting

Speaker

Gian Gentinetta

16:45-17:00

Complete quantum-inspired framework for simulations of flows past immersed bodies

Speaker

Egor Tiunov

17:00