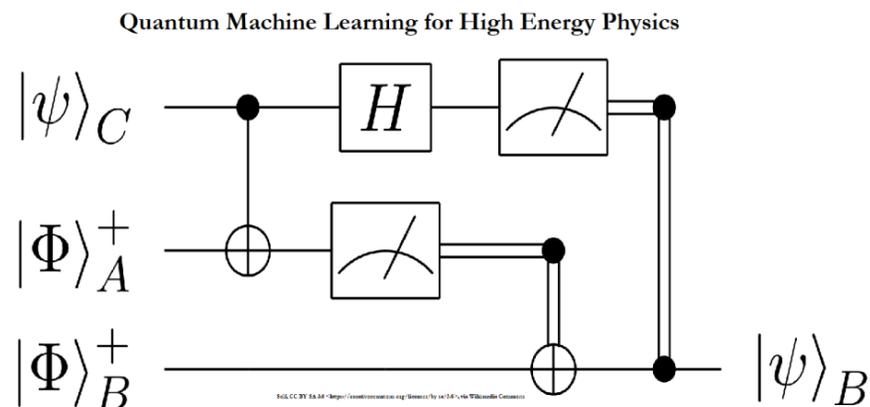


Time

June 01 2022, 9:00 - June 02 2022, 18:00
Eastern Time (ET)

Quantum Machine Learning for High Energy Physics



Organizing Committee Members

- Kamal Benlama (Loyola University Maryland, USA)
- Samuel Yen-Chi Chen (Brookhaven National Laboratory, USA)

International Advisory Committee Members

- O. Keith Baker (Yale University, USA)
- Kamal Benlama (Loyola University Maryland, USA)
- Samuel Yen-Chi Chen (Brookhaven National Laboratory, USA)
- Vedran Dunjko (Leiden University, Netherlands)
- Ying-Jer Kao (National Taiwan University, Taiwan)
- Benjamin Nachman (Lawrence Berkeley National Laboratory, USA)
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- Andrew Sornborger (Los Alamos National Laboratory, USA)
- Sofia Vallecorsa (CERN, Switzerland)
- Tzu-Chieh Wei (Stony Brook University, USA)
- Sau Lan Wu (University of Wisconsin, USA)
- Shinjae Yoo (Brookhaven National Laboratory, USA)

Main topics to be discussed

- Quantum Computing
- Quantum Machine Learning Using Quantum Simulators
- Event Classification with Quantum Machine Learning in High-Energy Physics;
- Quantum Machine Learning on High-Energy Physics Data
- Quantum Neural Networks
- Quantum Error Correction;
- Hybrid Quantum-Classical Algorithms;
- Quantum Entanglement and BSM Searches;

Online Workshop