Contribution ID: **45** Type: **not specified**

Quantum Machine Learning for Particle Physics (25+5)

Monday, January 13, 2025 4:00 PM (30 minutes)

We have pioneered quantum machine learning to make a breakthrough in quantum machine learning on the target of particle physics data challenges. We have investigated from quantum support vector machines of collision event classification to quantum anomaly detection on novel event discovery. We will share our success and failure and outlook of upcoming quantum centric supercomputing.

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Session Classification: Session 2