

# Machine learning-based methods in quantum chromodynamics

*Friday, 3 November 2023 09:30 (30 minutes)*

Machine learning and AI are rapidly growing areas of research offering various avenues for exploration in high-energy nuclear physics. Novel tools including generative modeling, regression, and classification are poised to have a significant impact on theoretical and experimental research efforts. In this talk, I will review recent progress in the context of hadron structure, spin physics, uncertainty quantification, and simulations of collider experiments.

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**Session Classification:** Conference talks