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## Off-Shell Processes from Neural Networks

*Tuesday 7 November 2023 14:15 (15 minutes)*

For Monte Carlo event generators simulating events with full inclusion of off-shell effects is a computationally very costly task. In the talk, a method making use of modern machine learning techniques is presented that enables the modelling of full off-shell effects. Using this method as a surrogate for simulations, we expect significant improvements in the feasibility of high-precision event generation.

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**Session Classification:** Generative: Partons and Phase Space