Contribution ID: **785** Contribution code: **contribution ID 785**          Type: **not specified**

# Generators and the (Accelerated) Future

*Thursday 2 December 2021 10:00 (30 minutes)*

With the upcoming High Luminosity LHC coming online in the near future, event generators will need to generate a similar number of events. Currently, the current estimated cost to generate these events exceeds the computing budget of the LHC experiments. To address these issues, the event generators need to improve their speed. Many different approaches are being taken to achieve this goal. I will cover the ongoing work on implementing event generators on the GPUs, machine learning the phase space, improving unweighting efficiencies, and minimizing the number of negative weight events.

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**Session Classification:** Plenary