

# **From imaging algorithms to quantum methods Seminar**

## **Report of Contributions**

Contribution ID : 1

Type : **not specified**

## **Review of generative deep learning for fast simulations of calorimeters**

*Monday, 25 November 2024 10:00 (60)*

Monte Carlo simulations are essential for High Energy Physics experiments. Simulations of particle interactions in calorimeters are very time consuming. Fast Calorimeter Simulation Challenge (<https://calochallenge.github.io/homepage/>) aims to spur the development and benchmarking of fast and high-fidelity calorimeter shower generation using deep learning methods.

The talk will review generative deep learning models that were proposed for the Calo Challenge as well as other related use cases for fast MC simulations.

**Presenter(s)** : OGONOWSKI, Aleksander

Contribution ID : 2

Type : **not specified**

## Discussion

*Monday, 25 November 2024 11:00 (30)*