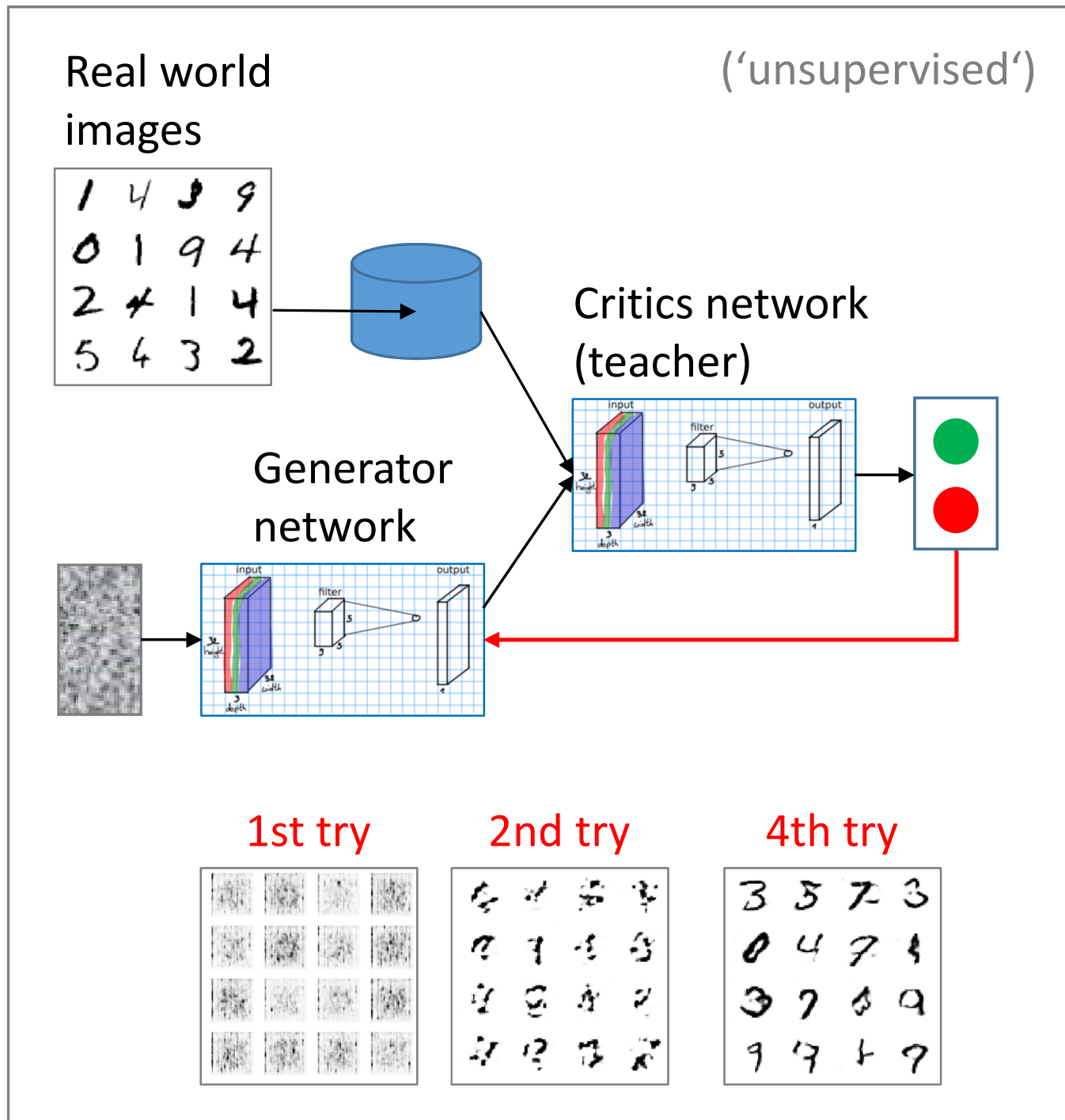


# Session on Generative Adversarial Networks



Jana Schaarschmidt, Martin Erdmann

12:50 - 14:10

**DijetGAN: A Generative-Adversarial Network approach for the simulation of QCD Dijet events at the LHC** *Serena Palazzo*

*KC 802 , Kimmel Center for University Life*

14:10 - 14:30

**A generator cell for LHC event GANs**

*Niclas Eich* [🔗](#)

*KC 802 , Kimmel Center for University Life*

14:30 - 14:50

**How to GAN LHC Events**

*Ramon Winterhalder*

*KC 802 , Kimmel Center for University Life*

14:50 - 15:10

**GAN based event subtraction for Monte Carlo methods**

*Anja Butter*

*KC 802 , Kimmel Center for University Life*

15:10 - 15:30

**Teaching a Computer to Integrate**

*Claudius Krause et al.*

*KC 802 , Kimmel Center for University Life*

15:30 - 15:50

**Coffee break**

*KC 802 , Kimmel Center for University Life*

15:50 - 16:20

**Lund jet images from generative and cycle-consistent adversarial networks**

*Frederic Alexandre Dreyer et al.*

*KC 802 , Kimmel Center for University Life*

16:20 - 16:40

**Fast Calorimeter Simulation in ATLAS: FastCaloSimV2**

*Sean Joseph Gasiorowski*

*KC 802 , Kimmel Center for University Life*

16:40 - 17:00

**Fast Calorimeter Simulation in ATLAS with DNNs**

*Dalila Salamani*

*KC 802 , Kimmel Center for University Life*

17:00 - 17:20

**Generative Models in CALICE**

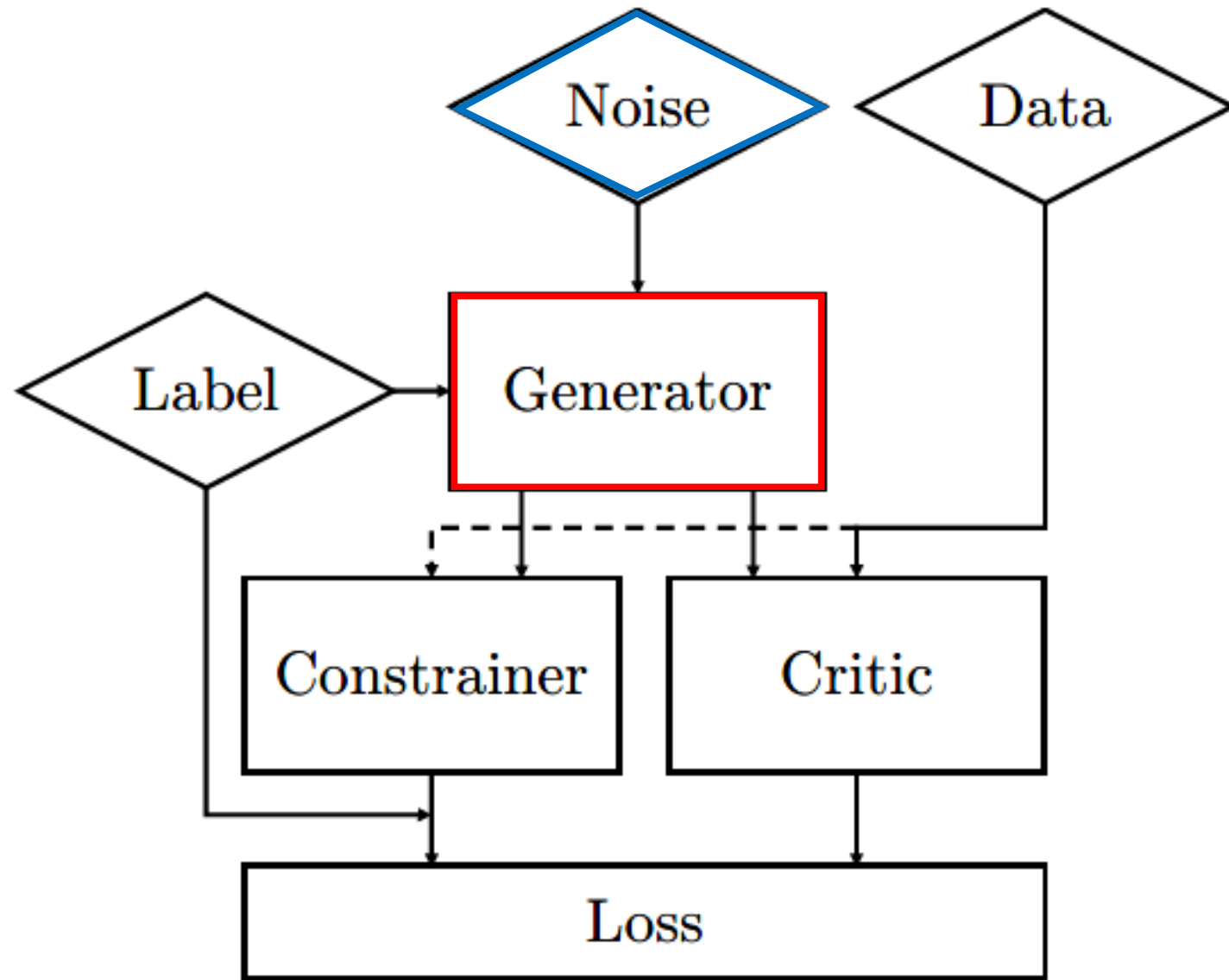
*Engin Eren*

*KC 802 , Kimmel Center for University Life*

17:20 - 17:40

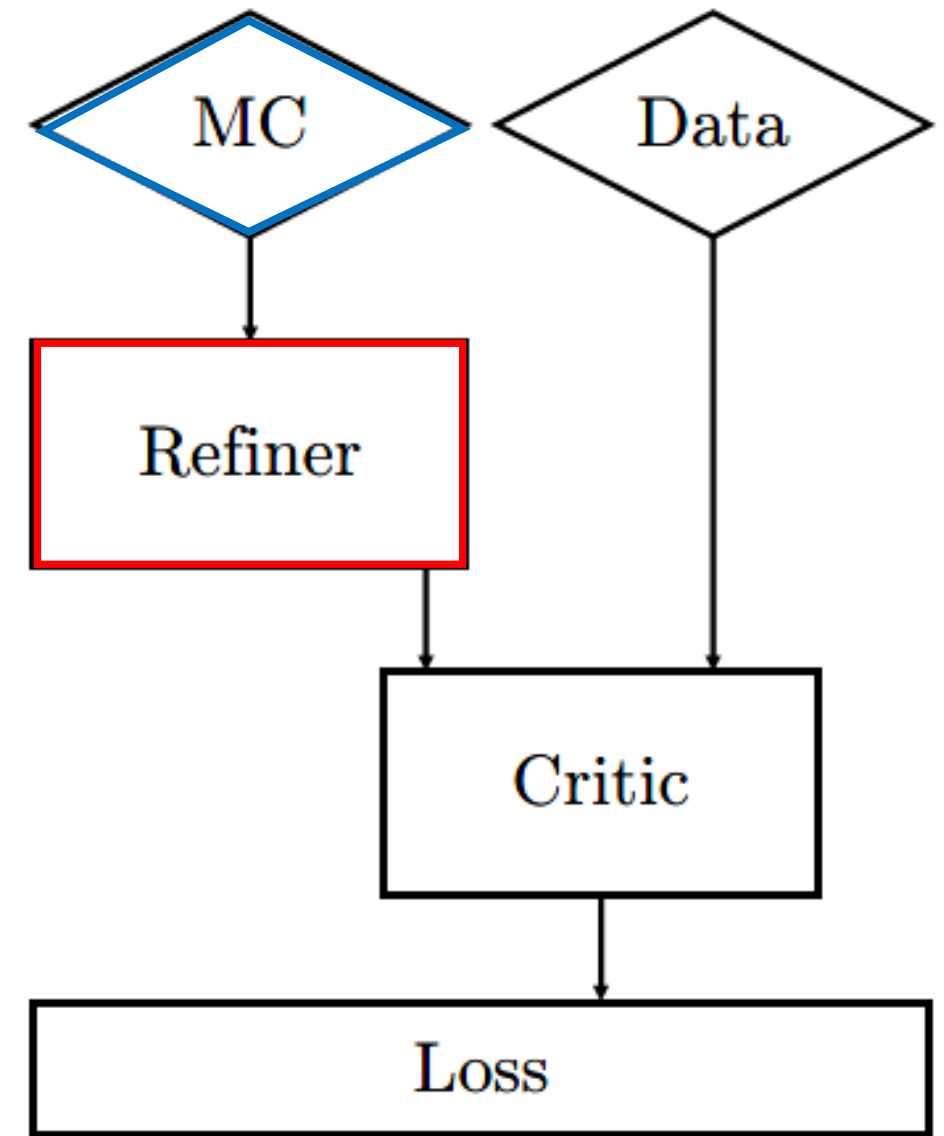
# Two sides of a coin

GAN



(a)

Refiner – Unfolding - ...



(b)