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Ultra fast simulation algorithmics for industrial applications in Muon Tomography using GAN

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The development and application of Muon Tomography techniques requires the production of considerable amounts of simulation data, usually generated with complex and slow particle simulation software. In this talk, we explore the use of Generative Adversarial Network (GAN) as a way of generating simulation data for muon tomography applications in a faster and less computationally expensive way.

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