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IDENTIFICATION &  
DEEP GENERATIVE MODELS TOWARDS  
FAST SIMULATIONS FOR THE ALICE  
TRANSITION RADIATION DETECTOR AT  
CERN*



**Christiaan Gerhardus Viljoen**

Department of Statistics || Department of Physics  
Faculty of Science

**University of Cape Town**

This thesis is submitted in partial fulfillment of the Degree of Master of Science  
Supervised by: Dr Thomas Dietel

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